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ROUTE 4
BURNSIDE CONN

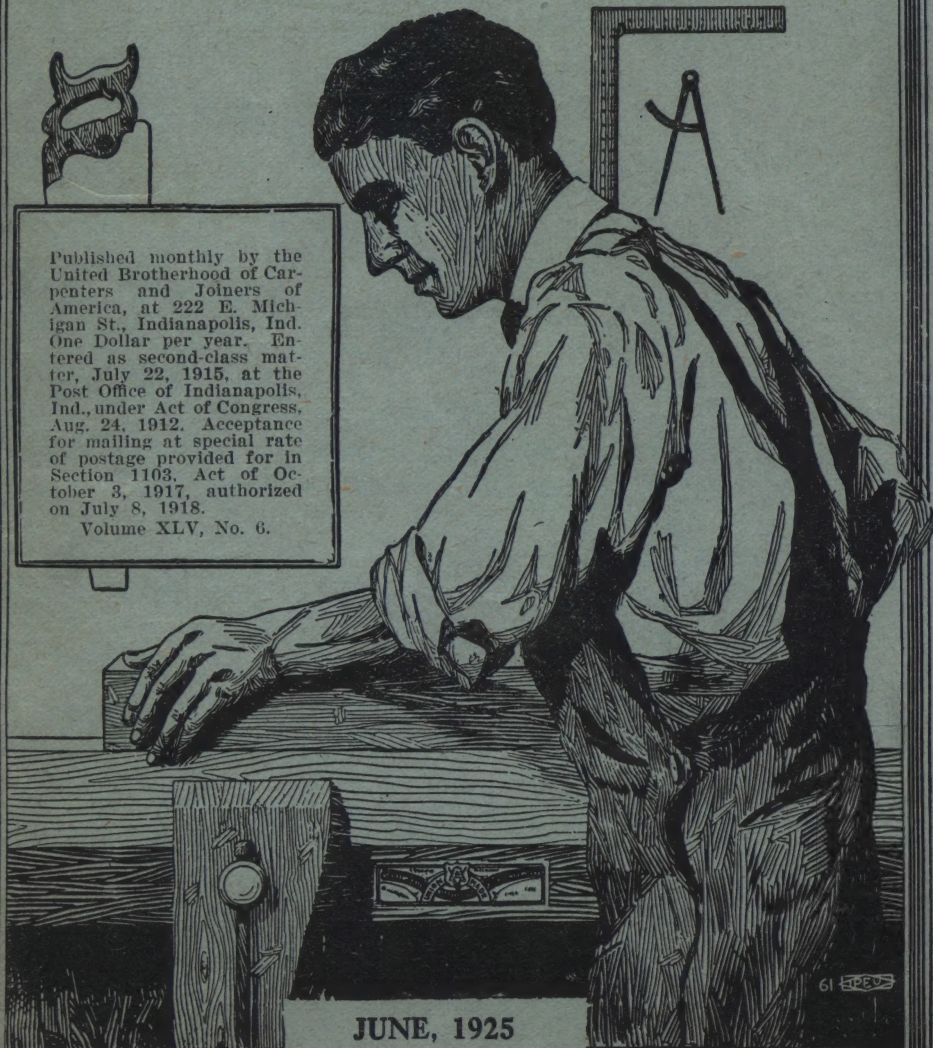
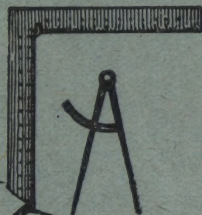


The CARPENTER



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Volume XLV, No. 6.



61 HED

JUNE, 1925

Now —a four-in-one sheathing!



Patented interlocking lap edges assure a solid, wind-tight joint

Gyp-Lap, the new sheathing perfected by the United States Gypsum Company, serves a fourfold purpose.

It is first of all one of the strongest, most lasting sheathing materials ever placed on the market.

Being made from gypsum, it is also a splendid insulator—helps keep buildings cool in summer, warm in winter.

Gyp-Lap backs up clapboards, stucco or brick veneer with an effective fire-stop.

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Gyp-Lap comes in large sheets which are erected quickly and at low cost. Your Sheet-rock dealer sells it. Mail coupon for sample and descriptive folder.

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General Offices: Dept. 404, 205 West Monroe Street, Chicago, Ill.

GYP-LAP

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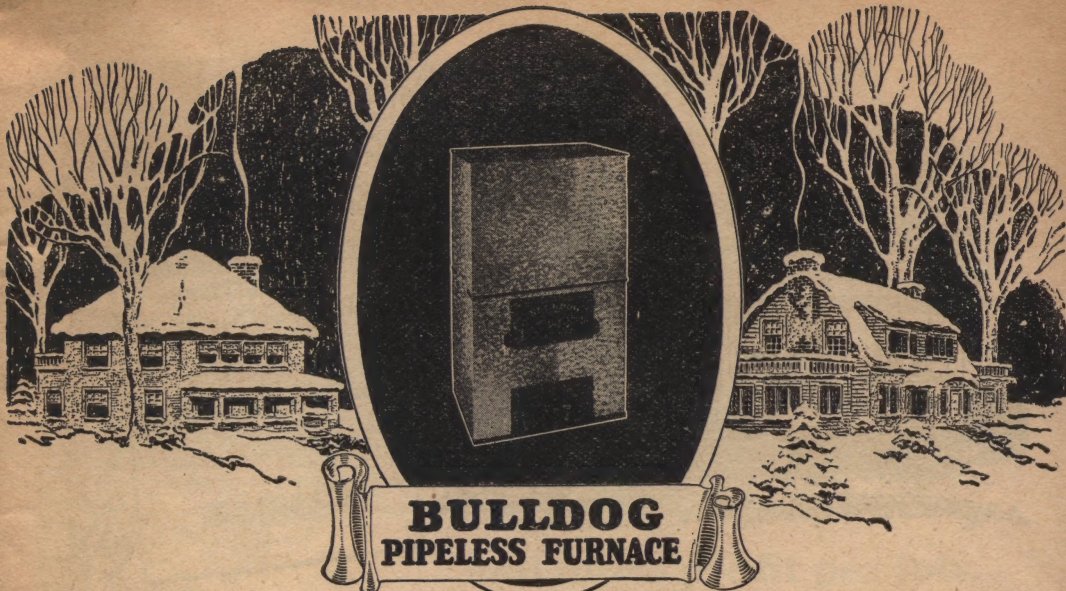
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Heats Home for 25¢ a Week!

"I can run my Bulldog furnace steady for fourteen days in normal weather conditions on the actual cost of fifty cents." So writes F. R. Redetzke, of Cleveland, North Dakota, and he adds: "Hard to believe is it? That's what some of my neighbors thought until I showed them! We have an unlimited amount of grain screenings in this country. That's the fuel I am using."

That's what the Bulldog does with about the lowest grade fuel you can think of! Here's what it does with coal:

2 1-2 Tons Heats 5 Rooms

"There is no heater to compare with the Bulldog. I burned 2 1/2 tons of coal last winter and heated 5 rooms and bath."—Walter Geary, Gloucester, Mass.

Heats Seven Rooms Instead of One!

"Your letter received asking about the Bulldog Furnace. We have had ours in about six weeks and so far it does all Babson Bros. claim for it. We have seven rooms, four on the first floor and three on the second, and it heats them fine. We find it takes a little more coal to heat the whole house than it did to heat one room with a stove using chestnut coal."—J. B. Smith, 19 Elm St., Somerville, N. J.

Cuts Coal Bill in Half

"I had a hot air furnace in our 7-room house before I got the Bulldog and our house was always cold. With the Bulldog it only takes half as much coal and we had weather below zero, and the house was nice and warm in the morning when we got up. We never have the draft on more than half an hour at a time, and it has the place red hot. It keeps the fire all day in mild weather."

—Jess T. Conrad, 1211 W. Arch St., Shamokin, Pa.

No Money Down!

Comes Completely Erected. You Install It Yourself.

The Bulldog is sent to you for free inspection. Then, if satisfied, you make only small monthly payments at our remarkably low price. Write today! Don't miss this chance to cut down your fuel bills! *Install a Bulldog Furnace.* It comes to you completely erected—goes through any door—fits any height of basement—and you install it yourself in less than two hours! In fact, H. B. Keater, of Libertyville, N. Y., says he installed

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Learn how to have all the heat you want—where you want it—and save money! Remember the Bulldog is *different*—and *better*! Complete combustion of gases save 25% of your fuel bill. Exclusive Gable-Top Radiator receives *all* the direct rays of the fire. Exclusive oblong fire-pot is not only ideal for coal, but enables you to keep a wood fire over night. Remember—the Bulldog is sent for *free inspection*—then small monthly payments at an amazingly low price! Send for Free Book **TODAY!**

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Without obligating me in any way, please send me your free catalog and special offer on the Bulldog Pipeless Furnace.

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FOR FREE
BOOKLET



Celotex for summer cottages pays you in three ways

Now, for the first time, cottages that have the usual comforts of the city house, yet can be built easily and quickly at small expense. Celotex Insulating Lumber makes them possible.

Celotex has, first of all, insulating or heat-stop value several times as great as that of wood. It keeps out the beating rays of the hot summer sun—and keeps in the heat generated to warm the cottage.

You can profit by using Celotex to build summer cottages in three ways.

First: Tell your customers these desirable advantages—you will interest them and get more jobs building Celotex cottages.

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Third: Celotex also builds you good will—a carpenter's greatest asset. Satisfied customers will recommend you to friends and prospects.

Prepare for this profitable work by sending for information and complete specifications regarding Celotex Insulating Lumber; these booklets are free to carpenters.

They contain interesting and simple rules which should be observed to obtain the best results. These books have many blue print cuts and pictures illustrating every use of Celotex.

Send the coupon for these valuable booklets.

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Please send me the general
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.....and more profit per job—
with Barrett Giants!

Contractors report very definite savings in the cost of laying shingle roofs—with the new Barrett Giants!

These Giants are larger than ordinary shingles (12"x14"). Comparison with ordinary individual shingles shows 196 fewer shingles and 392 fewer nails per square. Here's a cut of practically one-half in laying costs.

You'll find these rugged shingles 100% right for re-

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They're handsome and fire-safe—surfaced with everlasting mineral in moss green, soft red and shadowy blue-black.

Ask your lumber dealer to show you Barrett Giants.

Barrett Shingles
Barrett Roll Roofings

Barrett ROOFINGS

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"Better Homes from Old Houses" gives ideas for remodeling old-fashioned houses into handsome modern homes. Thousands of carpenter-contractors are putting this

practical book into the hands of owners of old houses—and supplying the labor needed when the alterations start. Send for your sample copy—it's a business builder.

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Please send me free sample copy of your business-building book—"Better Homes from Old Houses." The address of my building supply dealer is given below.

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WHY DEVELOP A GLASS ARM?

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Have your Hardware dealer supply you. If he is unable to do so, mail us your Money Order with his name, specifying weight and style hammer required and we will send direct to you.

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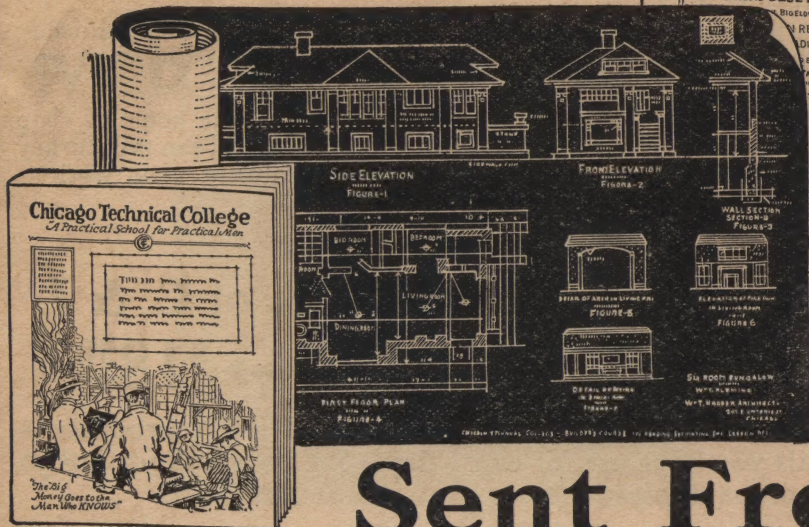
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Write or print name plainly.

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Occupation

What Every Carpenter Ought to Know

Did you ever stop to think that ordinary "paint" can spoil the finest job a carpenter does?

Every carpenter ought to know something about wood finishes. Every carpenter ought to know that "Johnson's" means the finest protection his work can have.

Try it yourself! There's always some job about the home or shop and we want **you** to know JOHNSON goods. Then you can talk turkey to Brother Painter and know what kind of treatment your work is getting.

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A gallon each of six standard JOHNSON products—materials you have use for every day—\$28.00 worth for \$18.50, freight prepaid, *plus*—

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- Johnson's Permacote, Flat Wall Finish**
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An opportunity never offered the trade before. Yet why not? It is **your** work that is made or marred by the finish. Take advantage of it **NOW!**

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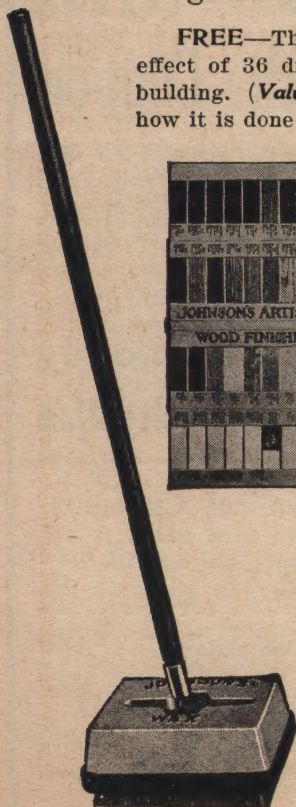
"The Wood Finishing Authorities"

Enclosed find \$18.50 for which please send me immediately, all transportation charges prepaid, your \$40.25 special offer to members U. B. C. J.

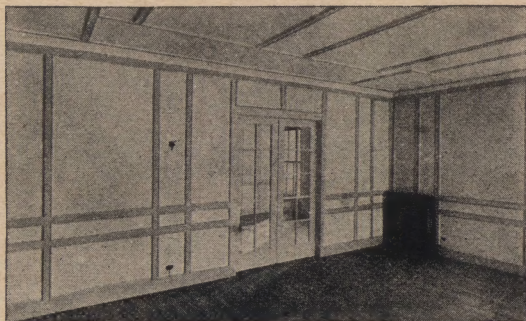
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Once a Garage — Now an Apartment

A carpenter in Evanston, Ill., assisted by our free Plan Service has made a most attractive five-room apartment out of a garage using the new extra-thick "Super Cornell" for all walls and ceilings.

If you like to tackle remodeling and making-over work like this, we can help you by designing the paneling.

This enables you to handle the whole contract with the profits which surely are worth while.


Just give us the room dimensions with location and size of doors and windows and we'll furnish you with the necessary blue prints. All we ask is that you use "Cornell" or "Super Cornell" to do the job. Use the coupon.

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General Offices:
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Cut out coupon and mail today.
Please send me samples of "Cornell" and "Super Cornell." Also send me "Specification Sheet."
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—just as we do on good tools. The
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been to make tools *you* will respect.

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A complete line of them—to suit any
kind of work or any preference. No. 5
is popular with many carpenters.

They are all described—with the latest
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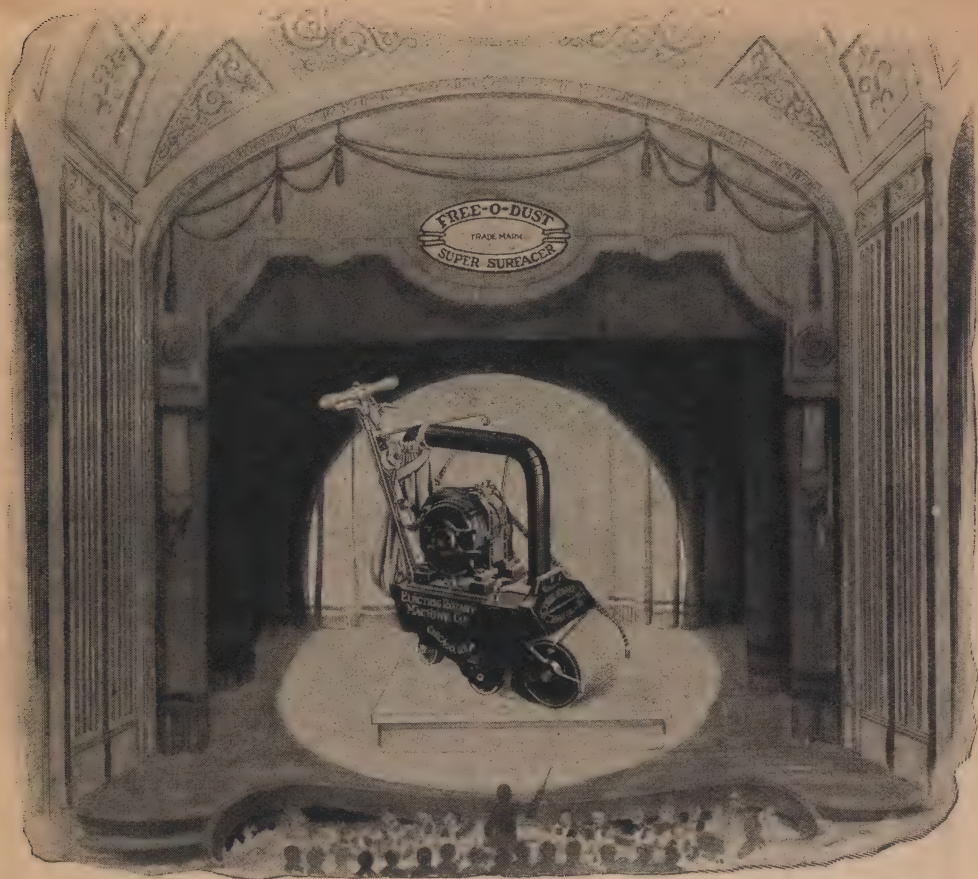
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MILLERS FALLS COMPANY
Millers Falls, Mass.

28 Warren Street
New York

9 So. Clinton Street
Chicago

*The better the tool,
the better the work;
the better the work,
the better off the
workman.*



Introducing The FREE-O-DUST SUPER SURFACER

In presenting this new floor surfacing machine to the trade we sincerely believe that its realization means an achievement that is revolutionary.

Among the outstanding features that insure the superiority of the FREE-O-DUST Super Surfacers are,—greater cutting speed, total elimination of all vibration, which insures a mechanically perfect and uniform finish, can be operated right up to baseboard without shifting the drum or using a small side drum, and as indicated by the name of the machine, —FREE OF ALL DUST. Our unique dust collector and vacuum fan construction collects every particle of dust EVEN WHEN THE MACHINE IS MOVING FORWARD! No retreating by backing up in order to take up the dust.

This last feature alone unquestionably marks a very important progress in floor surfacing machine development as it will multiply the scope and possibilities of the floor surfacing business. It will also protect the health of the operator by preventing him from inhaling the poisonous substances that often accumulate in wood flooring. This is particularly true when resurfacing old floors.

Sold on 5 days trial and money back guarantee if not thoroughly satisfied.

Write for free literature and full information.

ELECTRIC ROTARY MACHINE CO.

3835 W. Lake St., Chicago, U. S. A.

Manufacturers of floor surfacing machines for 20 years



It figures your angles, then cuts accordingly

THIS mitre box is to the carpenter what a protractor is to the architect—a handy tool that does your angle-finding for you—does it right, and saves time and trouble.

It's equipped with a framing scale that reads both right and left from 90 degrees. If, for instance, you want to cut a rafter for a 3-foot rise in 12, you set the indicator on 3. The scale, together with the arc, graduated in degrees, on which all angles are indicated, makes it easy to cut at exactly the angle you want. This box cuts at any angle between 45 and 90 degrees right or left. An extra attachment enables you to cut at more acute angles.

It's the only all-steel mitre box made. And it's trussed like a steel bridge—won't bend or break. Equipped with a 28 x 5-inch back saw, which can be locked at any angle.

Steel bottom plates are scored to prevent slipping. The stops can be regulated to saw to any desired depth.

Other good tools for carpenters

If you haven't a copy of the Goodell-Pratt Catalog No. 15, send for one now. It's free to carpenters. The catalog shows the entire Goodell-Pratt family of 1500 Good Tools—many of them, like this all-steel mitre box, are of special interest to carpenters.

GOODSELL-PRATT COMPANY
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Toolsmiths

Makers of Mr. Punch

GOODSELL-PRATT

1500 GOOD TOOLS

Sterling Barrows



*10 Spoke Wheels
Riveted Leg Braces
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Malleable Axle Brackets
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Flush Riveted Spokes*

Strong in Every Part A Suitable Type For Every Wheelbarrow Service

There is no item of equipment which is more important than the wheel barrows on a building job. No piece of equipment receives less care or more abuse. None which gives more constant annoyance and expense than poorly made, cheaply built, shaky, squeaky barrows. The Sterling barrow is built for hard service. It is strong, rigid, well balanced. It is equipped with self-oiling bearings which help the wheeler, and save the barrow.

If your dealer won't supply you we will.

Bulletin No. 38 tells the Sterling story.

Sterling Wheelbarrow Co.

Milwaukee,

Wisconsin



Look for this tag

Every roll of Jersey Copper Screen Cloth is marked by this tag. Look for it, because it is your guarantee that you are getting Jersey Copper Screen Cloth *made of copper 99.8% pure*. Jersey Copper Screen Cloth has extra stiffness and tensile strength due to the special Roebling process by which the wire is manufactured. This unusually stiff wire is used exclusively in Jersey Copper Screen Cloth. So, in order to assure yourself that your screen jobs are going to be of the greatest durability (copper 99.8% pure) and serviceability (stiffness and tensile strength comparable with that of steel), look for the Jersey Copper Screen Cloth tag.

Send for a booklet which tells all about copper for screens, or ask your dealer for a sample.

THE NEW JERSEY WIRE CLOTH COMPANY
620 South Broad Street
Trenton New Jersey



Copper Screen Cloth

Made of Copper 99.8% Pure

ZOURI KEY-SET STORE FRONT CONSTRUCTION

Bystanders always remark on how easily Zouri Indirect Key-Set Windows and Store Fronts are installed. The public remarks on their handsome appearance. The owner finds them safe and durable. For these reasons, Zouri Store Fronts are business-getters for the man who installs them.

Free—our big, free, illustrated book showing the newest and best styles of modern windows and store fronts, also thoroughly explaining the popular Zouri Safety Key-Set construction. Write for your copy today.

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UNION MADE

FOR THE MAN WHO PREFERS A BLUE CARPENTER'S
OVERALL WE ARE NOW MAKING THEM FROM

**HEADLIGHT SPECIAL WEAVE BLUE DENIM
LOT 140**

The Best Denim Ever Put Into an Overall



Also Made of
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| Double cloth at the front. | Chisel or putty knife pocket. |

Mail your order to our nearest factory if your local Headlight Dealer cannot supply you.

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World's Greatest Overall Makers

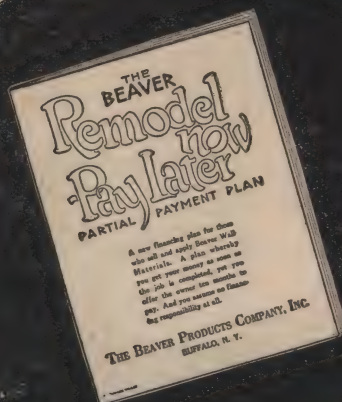
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TORONTO, ONTARIO**

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If, when this overall is completely worn out, you do not think that Headlight Carpenters Overalls are better, more convenient and will outwear any other overall made, I will give you back your money. Beware of imitations. Demand the Genuine.

Alvin Larned
PRESIDENT



Write for these two —they tell you about the **BEA** partial payment plan

Home owners, store owners, building owners are anxious to re-roof, remodel or repair on Beaver's easy payment plan. The carpenter who offers this great convenience gets the lion's share of the work. Yet he assumes no financial responsibility for payments—he gets his cash at once. The carpenter doesn't worry about collections. Under Beaver's financing plan all such matters are taken care of for the carpenter.

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great opportunity offered by

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for home improvements

Such a convenient plan for home owners lets down the bars to a great new market for live carpenters and contractors. By using it you can have work ahead for yourself and your men the year around.

Surely, you want to know exactly how to profit by this remarkable plan. All details are given in the booklets shown above. Mail the coupon now. Get these books. Read them. Learn exactly how to go ahead and get the business under this plan.

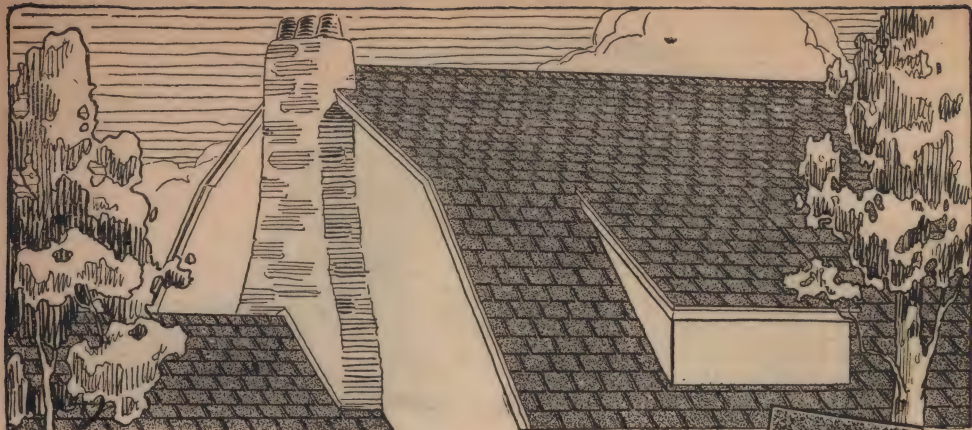
THE
BEAVER
PRODUCTS
COMPANY, Inc.
Dept. H-6,
Buffalo, N. Y.

Gentlemen: Please send me your booklets telling me how I can get business by using your partial payment plan.

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Address

City.....State.....



SUPPOSE you have just completed a Ruberoid Giant-shingle job—

What benefits have you derived?

- 1.—A saving in labor—136 fewer shingles to handle and lay per square and 272 fewer nails to drive.
- 2.—A saving of time—Ruberoid Giants are the only heavy individual shingles with the self-spacing feature.
- 3.—On a reshingling job you escape the dirt, the time and the trouble of removing old wood shingles, for Ruberoid Giants are especially adapted to laying right over them.

What benefits has your client obtained?

- 1.—A better roof—60 pounds heavier per square than the usual, standard-size individual shingle.
- 2.—A more durable roof—Ruberoid Roofs are still giving excellent service after thirty years' use.
- 3.—On a reshingling job he saves the expense of ripping off old shingles and cleaning up afterward.

Try Ruberoid Giants on your next roofing job. The coupon is for your convenience.

RU-BER-ROID

GIANT-SHINGLES

The RUBEROID Co.,
95 Madison Ave., New York City

CARPENTER

Gentlemen: Please send me without obligation a sample and full information regarding Ruberoid Giant-shingles.

Name.....

Address.....



Ruberoid Giant-shingles are 10" wide by 14" high. They are slate-surfaced in sage-green, tile-red or steel-blue.





For Smoother Cutting Simonds Blue Ribbon Saws.

Carpenters want the best saws, not only because they cut fast and easy, but also because a good saw helps make better work. That applies to Simonds Blue Ribbon line.

How your arm senses that satisfied feeling when you grasp the handle of a *Simonds*—and that feeling of

appreciation as the keen edge goes through the cut—straight and true without a falter or muscle-wearing tug.—That's a *Simonds*.

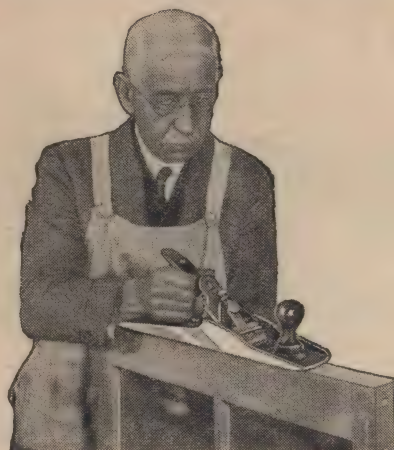
Our 71 straight back saw shown here is a popular style of carpenters' saw, although there are several other styles of the same high quality to pick from.

*Tell your dealer you want a Simonds
Blue Ribbon Saw*

Simonds Saw and Steel Co.

Established 1832—Fitchburg, Mass.

SIMONDS



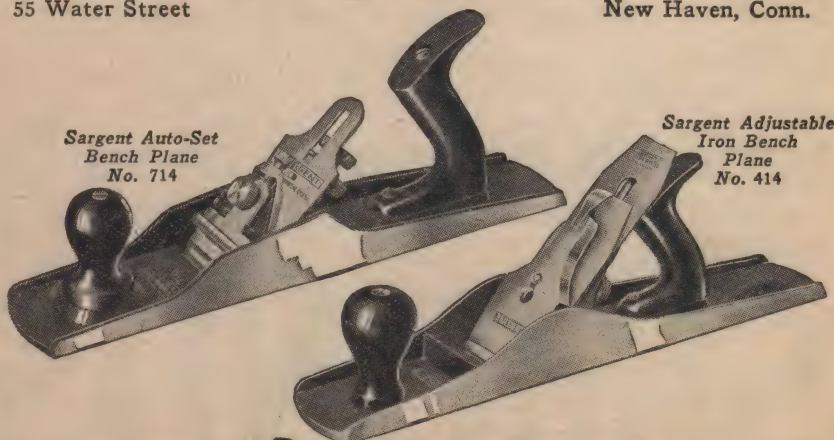
He'll be still going strong at the end of the day

SIZE for size, the Sargent Auto-Set Bench Plane is lighter than other iron planes. But this isn't the only reason why the carpenter who uses it conserves his strength. The way it cuts through toughest wood—smoothly, rigidly—and across or against the grain or over knotty surfaces—saves energy and oftentimes temper.

Cutter is of edge-holding chromium steel. It may be removed, sharpened and replaced without changing original adjustment.

Those who stick to old favorites will find the Sargent 400 line (illustrated here also) the finest planes of this type ever made. See Sargent Planes at your dealer's. For booklet write

SARGENT & COMPANY, Manufacturers
55 Water Street New Haven, Conn.



SARGENT
Tools & Hardware

Here's a hatchet you don't have to rewedge

See that the hatchet you buy has a red-handle, with a black head.

Then you will know it is a Plumb Hatchet, with the Plumb Take-Up Wedge that keeps heads tight.

With a blade tapered for fast, tireless cutting and balanced for true, easy strokes.

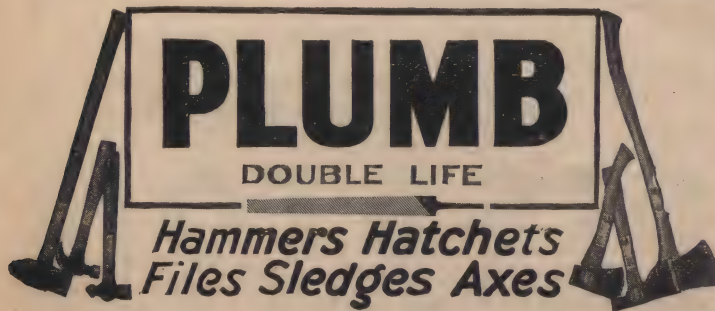
Forged of a steel that Plumb armor-plate methods temper and toughen for years of use.

And the Take-Up Wedge, (exclusively Plumb) keeps black head and red handle working together for years!

FAYETTE R. PLUMB, INC.
Philadelphia, U. S. A.

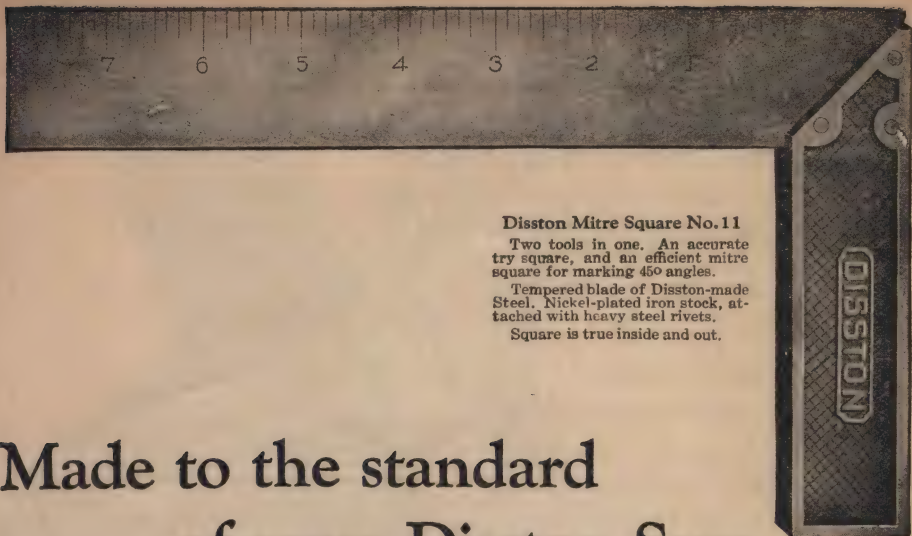


Instantly, with a turn of the wrist, you re-tighten the head of any Plumb tool. V-shape of wedge expands wood of handle against all sides of eye, all the way in.



Look for
Red Handle
Black Head
EXCLUSIVELY
PLUMB

Color Combination
registered as trade mark
in U. S. Patent Office



Disston Mitre Square No. 11

Two tools in one. An accurate try square, and an efficient mitre square for marking 45° angles.

Tempered blade of Disston-made Steel. Nickel-plated iron stock, attached with heavy steel rivets.

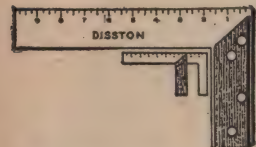
Square is true inside and out.

Made to the standard of your Disston Saw



**Disston Adjustable
Plumb and Level**

The Disston No. 16 is a popular model with carpenters. Has Disston adjustment — positive and simple. Operated by screws working in wood. No springs to get out of order. Disston quality throughout.



Disston Mitre Square No. 10

For those who prefer a wood stock. Tempered blade of Disston-made Steel extends through stock. Rosewood stock is attached with four heavy brass rivets.

Stock is faced with heavy brass plate, fastened with countersunk screws.



*"The Saw Most
Carpenters Use"*

*An accurate mitre and a sturdy
try square are combined in
Disston Mitre Square No. 11*

TWO tools in one! Disston Mitre Square No. 11 gives you in one tool an accurate 45° mitre, and a reliable try square. Saves time. Speeds work.

All metal! The blade is made from Disston Steel, tempered the Disston way. Nickel-plated iron stock is permanently fastened with heavy steel rivets.

Made by Disston — the maker of your saw. And made with the same exacting care.

You can trust the Disston name on a tool as on a saw.

For the saw is the standard in the Disston Works. Every tool must meet that standard to bear the Disston name.

It pays to use Disston tools.

Henry Disston & Sons, Inc.

Makers of "The Saw Most Carpenters Use"

Philadelphia, U. S. A.

DISSTON

SAWS TOOLS FILES



THE CARPENTER

Entered July 22, 1915, at INDIANAPOLIS, IND., as second class mail matter, under Act of Congress, Aug. 24, 1912
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Established in 1881
Vol. XLV—No. 6.

INDIANAPOLIS, JUNE, 1925

One Dollar Per Year
Ten Cents a Copy

That the open shop is now favored by the Stanley Manufacturing Company of New Britain, Conn., who manufacture a number of carpenter's tools, known as the Stanley tools, was a declaration recently made by Mr. Stanley, Jr., an officer of the company at a conference held with Representative Charles N. Kimball and Business Agent McGrath at the plant of the company. This concern is constructing a large building at New Britain. The contractor is the Aberthaw Company of Boston. Non-union carpenters were found on the job. On complaint of Messrs. Kimball and McGrath, as representatives of our organization, Mr. Stanley arranged the conference, and to their astonishment made the above declaration.

PAY AS YOU ENTER—IT IS BEST



BUYING things without paying for them, is becoming a habit with thousands of people in all walks of life. Ten, or even fifteen years ago, they would not have dreamt of obligating themselves to the installment plan as they do today.

The feeling then was to bite off no more than one could chew, and that was conducive to a sense of self-respect and independence. It was living within one's means, and not taking a mortgage on the future, which might have to be paid off at the price of standing for a lot of things in the way of mean treatment.

The time payment system is rapidly becoming almost a mania, and it is fraught with a good deal of serious menace to the interests of trade unionists. Certainly if they allow themselves to become involved in it very deeply it is dangerous.

Some might say they did not see that it has anything to do with trade unionism one way or another. But it has, and in this way: If a trade unionist is up to the eyes in debt, which he can only pay off by relying on his wages coming in the same each week, that debt acts as a goad to make him hang on to his job at all costs.

If his employer should come along and cut his wages five cents an hour, or even ten cents for that matter, he is not in a position to resist with the same power that he would have were it not for that debt. And if hundreds of his fellow workers are in the same condition, then that is reflected in the lowered resistive force of their union.

The result is they will likely give way to the demands of their employers, who may know full well the position their workmen are in in this respect. They know that the mass of working men are scrupulously honest, and will pay their debts to the last penny. And some of them do not scorn to use that knowledge to reduce their pay rolls.

That is one of the sinister ideas lying back of many of the profit sharing plans one hears about; to get the workman involved financially, believing that if that

can be done he will prove easier to handle when it comes to reducing his wages.

The time payment system, besides that aspect of it, is a sign of the times. It is the outcome of a consumers' market which, in a cash sense is already supplied. The point of saturation has been reached, and beyond that point purchases are only made by going into debt, and taking a chance that the future will pay.

In the normal way of buying and selling, most of the things which are sold today on the installment plan, are really sales which rightly belong to a future date. But production is becoming ever more rapid, and on larger scale. To meet it comes the "high-powered" salesman, assisted by the natural desire of the prospective buyer to possess what he has for sale.

Leaving the future to take care of payment seems quite easy, compared with the longing for the article. Then the deal is made and the shackles are on.

Many a trade unionist has rued the day he walked into such a trap, when he has afterwards realized on the job, or at his union meeting, that it has robbed him of his full power to resist threatened encroachments on his wages and general working conditions. He has found himself chained by debt to his job. It is in no sense a good or self-respecting condition for him to be in.

It is not necessary to make a complete and blanket condemnation of the installment system. If a man use it very judiciously, not biting off more than he can chew, and so that he can see his way clearly out of any deal he goes into, then all well and good. But absolutely, and without any equivocation whatever, if it in any way tends to curb his militant regard for his trade union principles, thereby making him a weak link in his union, then he should leave it alone entirely.

The Boss Was Out

Short-sighted Lady (in grocery)—
"Is that the head cheese over there?"

Salesman—"No, ma'am, that's one of his assistants."

1925 BUILDING PROGRAM SHOWS INCREASE



HE April volume of building contracts was the largest monthly total on record, according to F. W. Dodge Corporation. Contracts awarded that month in the 36 eastern states (which include about seven-eighths of the total construction volume of the United States), amounted to \$546,970,700. This was an increase of 14 per cent over March, and 13 per cent over April of last year.

Last month's record included the following items:: \$256,414,300, or 47 per cent of all construction, for residential buildings; \$95,432,400, or 17 per cent, for public works and utilities; \$63,968,900, or 12 per cent, for commercial buildings; \$46,567,900, or 9 per cent,

for industrial buildings; and \$33,154,600, or 6 per cent, for educational buildings.

Total construction started during the first four months of this year has amounted to \$1,623,540,000, compared with \$1,515,043,200, for the first four months of last year. The gain is a little over 7 per cent. Of the \$108,000,000 increase to date this year, \$52,000,000 represents the gain in public works and utilities projects.

In addition to the increase in actual work started there is also a big gain in prospective work. Contemplated new projects reported in April amounted to \$760,207,600, an increase of 25 per cent over the amount reported in April of last year.

ONE CRAFT, ONE UNION—A PERSONAL TRIBUTE

(By A. Journeyman.)



RIOR to 1923 I worked at my trade as a carpenter in Canada, and was always a member of the United Brotherhood from the time I became a journeyman. I was what might be called fairly good in the matter of attending meetings of the Local, which was in one of the largest of the western cities.

In a modest way I did my part, holding office from time to time, and not missing many chances of bringing stray ones into the fold. During that time I always thought of the Brotherhood in its international sense, and took part in many a verbal battle in favor of it as the one organization of our craft for the American continent.

I did that because it seemed to me just plain horse sense, from the standpoint of my interest as a carpenter and a working man. Later I was to realize the complete and true value of that conception.

In 1923 trade conditions in the locality in which I lived had become very poor, and like many more of my fellow members, I came to the United States, bringing my family with me.

Also, in my pocket was my membership card and clearance, all paid up and in order. I came to one of the largest

cities in this country an absolute stranger, with the need of going at once to work to take care of my family responsibilities.

Then I realized to the fullest extent the blessing and practical meaning of belonging to the organization of my craft, which was international in its scope, service, and influence.

Without it I should have been helpless. As it was, when I landed at my destination I went straight to the headquarters of the local District Council, and deposited my card. I did not have to tramp the streets, a stranger looking for a job, nor did I have to ask my fellow member, the Business Agent, for a job.

After he had taken charge of my card he asked me if I was ready to go to work. I surely was, and said so. Thereupon he gave me a job to go to, at nearly twice the wages I had been getting the year before.

More than that, I being a stranger, he went out of his way to take me to the place where the job was, and showed me the easiest way to get there from the temporary lodging I had taken.

That's what I call real service, true brotherhood, and international fraternity. I do not imagine my experience

is any different from that of many others who have come south in recent years. But I was deeply impressed with it, for it proved to me in a practical way what I had long believed—that one organization of all the members of our

craft, is the best and only sound policy for the carpenters on this North American Continent.

The proof of the pudding is in the eating—I have had my share, and it was good.

CARPENTERS' TEAM WORK IN FLORIDA

(By Chas. A. Poore, L. U. 993, Miami, Fla.)



HERE is nothing that has been done in the last forty years by the fraternal societies, and the unions that has shown a greater advancement in civilization, than the establishment of homes for their dependents. The Home at Lakeland can be made self sustaining. Its location is ideal, even in our beloved Florida, and we consider this Home site among the hills and lakes, surrounded by citrus groves excellent.

What better spirit can man show to man, than to place him in such an environment in his declining age? And all this through the principle of co-operation.

Here in Miami we have a little co-operative ownership, and it is proving really interesting and valuable to us. We secured a site for our carpenters' hall. The lot cost us \$6,000 cash. We dallied along until the hall we were renting at \$70 per month was let to a non-union concern for repairs, when there came an agitation to move.

We owned the lot for five years before we decided to build. Then we appointed a building committee with authority to secure a loan to build with.

The Chairman of the committee went to the President of a bank in Miami, and he refused to loan to the Carpenters' Union, but said he would buy the lot, and offered \$20,000 for it. But we got a loan, and erected a building three stories high, 47x106 ft. on the ground. The Carpenters' L. U. 993 has had a home for thirty months, and in another five years they will be free of debt. At present the building is valued at \$100,000.

With the business interests of Miami going strong for "open shop" no one knows what the condition of our union would have been if we had not pushed this move to a conclusion. As it is, it has been pointed out through one of our daily papers that the more the open shoppers fight the unions, the better entrenched the unions become, and refer them to the home we have established.

CHILD LABOR IN CHINA



CHILD labor in the Peking rug factories is the subject of a special study in a supplement to the Chinese Social and Political Science Review.

Attention is called by the workers to the fact that the Peking rug industry, like many other industries in China, is in a state of transition from a small shop to a factory basis. Most of the rug shops are owned by individual proprietors with small capital, and neither employers nor workers have any form of protective organization.

The shops are dark and overcrowded, with no attempt at sanitation, and the workrooms serve also as dormitories for

the workers. The working hours are approximately those of daylight; only three shops in Peking are working less than 12 hours a day.

Almost three-fourths of the employees in this industry (it is stated) are apprentices, who as a rule receive their food and clothing and a very little money, but no regular wages. The boys are brought in from the country at the age of 11 or 12 years, and sometimes younger, to serve under a contract for three years.

During this time they are entirely under the control of the shop owner, living in the shops in which they work and receiving no moral or educational train-

ing and no physical care. Large numbers of them contract tuberculosis and other diseases.

The system, add the writers, is practically one of indentured child labor.

Moreover the apprenticeship is practically a "blind alley" and for most of the boys there is no future, as, when the apprenticeship period is completed other boys are brought in to take their places."

HOW INDUSTRIAL SOIL IS FERTILIZED



IG business continually points to the "modest" dividends paid by many corporations as an answer to the frequent charge of excessive profits.

The Wall Street Journal uncovers the hypocrisy of the modest dividend claim by calling attention to the disposition of the net profits of the United States Steel Corporation during the last twenty-four years.

The corporation "earned" \$2,027,176,664 net for stock, but only paid out in preferred and common dividends \$1,176,473,763. What became of the difference amounting to over \$800,000,-

000? The corporation "plowed it back" into its plants, which means that 42 per cent of the net profits was used to enlarge the business.

When this "plowing back" began, the common stock was not worth much, but with the earning capacity of the corporation's plants increased by the "plowing back" process, United States Steel common mounted away above par, and the interests which own it have cleaned up millions of dollars.

Declaring modest dividends and plowing large portions of earnings back into plant equipment is one of capital's clever devices to conceal profits and disarm public opinion.

An Epic of the Soil

Off did the harvest to their sickle yield,
Their furrow off the stubborn glebe has broke;
How below the fields beneath their sturdy
strokes!

Let not ambition mock their useful toil,
Their homely joys and destiny obscure;
Nor grandeur hear with a disdainful smile
The short and simple annals of the poor.

The boast of heraldry, the pomp of pow'r,
And all that beauty, all that wealth e'er
gave,
Await alike th' inevitable hour.
The paths of glory lead but to the grave.

Nor you, ye proud, impute to these the fault,
If memory o'er their tomb no trophies raise,
Where through the long-drawn aisle and fret-
ted vault,

The pealing anthem swells the note of praise.

But knowledge to their eyes her simple page,
Rich with the spoils of time, did ne'er unroll;
Chill penury repressed their noble rage,
And froze the genial current of the soul.

Full many a gem of purest ray serene
The dark unfathomed caves of ocean bear;
Full many a flower is born to blush unseen,
And waste its sweetness on the desert air.

Far from the madding crowd's ignoble strife,
Their sober wishes never learned to stray;
Along the cool sequestered vale of life
They kept the noiseless tenor of their way.
—From Gray's Elegy in a Country Churchyard.

Horse Sense

Charlie—That horse knows as much as I do.

Matty—Well, don't tell anybody. You might want to sell him some day.

Then Why Not In The U. S.?

Argentina passed a child labor law applying to the entire country on September 30, 1924. Under the new law 14 is the minimum age for employment in any industrial or commercial establishment.

Children under 18 may not be employed more than six hours a day and 36 hours a week—a higher standard than exists in any State in the United States.

Night work and employment in certain dangerous occupations are prohibited for boys under 18 years of age and women of all ages.

An Appropriate Appointment

Brother Travis H. Lynch of Tonopah, Nevada, has been appointed a member of the State Board for Vocational Education. Mr. Lynch is Financial Secretary of Tonopah L. U. 1417, and is well known in Nevada as an active worker in labor circles.

Look Out For Stolen Tools

Brother V. Alberts, L. U. 1212, Coffeyville, Kan., at the beginning of last month had his entire kit of tools, marked "V. A." stolen, and would appreciate any news as to their whereabouts.

THE WISDOM OF PAYING DUES IN ADVANCE

(By F. A. Silky, Financial Secretary, L. U. 2049, Los Angeles, Cal.)



VERY few members fully realize the importance of keeping their dues paid up in advance. Following are the reasons why dues should not only be paid strictly up to date, but should be paid in advance:

As soon as a member lets his dues run behind, he automatically deprives himself of the benefits which the Brotherhood wishes to bestow on him, no matter how long he has paid his dues in the past.

When a member is out of work, or sick or dies, that is when he needs assistance the most. In view of that fact, every member should set aside enough for the payment of his dues at least three months ahead.

The matter of paying dues by the month is poor policy, because during that month he may possibly be out of employment, and due to the fact that he is financially embarrassed he may get in

arrears with his dues and just at that time, if he is not paid up, he automatically cuts himself off from all benefits.

A member owes it to himself and to his family to make provision for sickness and benefits when he is in a position to do so, and not wait until he is in dire circumstances and when it is absolutely impossible to raise the money to pay his dues.

If any member would inquire of the Financial Secretary, he will find that there are many members who are responsible for themselves and family being in a needy condition just because he has been negligent in this one matter—namely, his dues.

Now, take this to heart and see to it that you do not only keep your dues strictly up to date, but at least two or three months in advance. By doing this you will possibly save yourself, your family and your Local from an embarrassing position.

WORKS COUNCILS IN THE UNITED STATES



UNDER the title of "The Growth of Works Councils in the United States: A Statistical Summary," the National Industrial Conference Board of the United States has published a brief report containing information regarding the number, status and distribution of works councils in operation.

In the United States there are now over 800 works councils in operation, covering over 1,000,000 workers. This represents a rapid and practically continuous growth from 1917 to 1924.

The growth from 1919 to 1924 was as follows:

Year	No. of Councils in operation	No. of Workers covered
1919	225	391,400
1922	725	690,000
1924	814	1,177,037

The number of works councils in the State of Massachusetts rose from 11 in 1919 to 31 in 1922 and 105 in 1924. States having more than 10 councils are: New York, 60; Washington, 45; Illinois, 39; Ohio, 30; Pennsylvania, 30; Connecticut, 28; California, 27; New Jersey, 19; Maryland, 18; Minnesota, 13; Wisconsin, 11. There were 302 councils which, owing to the large area covered, could not readily be divided by States.

Union Dental Clinic

Members of the International Ladies' Garment Workers' Union have established in New York a successful dental clinic which has given 30,000 treatments at a cost of \$70,000. Profits will be invested in more equipment and extending the children's free clinic. The clinic is run on the co-operative plan.

Tools Stolen At Mattoon, Ill.

Brothers D. C. Woodward and L. Jenkins, of Mattoon, Ill., L. U. 347, in April suffered the loss of all their tools by theft. Those of Brother Woodward had the initials "D. C. W." on them.

500,000 Members For 1925

BRIGHTER FUTURE FOR MEXICAN WORKERS



MEXICO is today guided by the belief that the workers must be given the fullest opportunity to improve their conditions, C. A. Vargas, labor attache to the Mexican embassy at Washington, D. C., told the recent annual convention of the Workers' Education Bureau, held in Washington, D. C.

"Fifteen years ago the political constitution and the law-making bodies of Mexico were significantly silent on the matter of labor legislation," said Vargas, who continued:

"Our present Constitution, the outcome of the revolutionary period, states quite clearly that the workers have the right to organize for their own protection; provides adequate safeguards around women and children engaged in gainful occupations, and establishes well known and generally recognized principles of labor legislation.

"It will ever be to the credit of the Mexican trade union movement, also born out of the last 15-year struggle for freedom, that after the inevitable and necessary period of agitation that followed its birth, it settled down to the orderly task of building up its organization to deal intelligently with the problems of the wage earners and watch diligently and demand observance of the labor principles embodied in the political Constitution adopted in 1917. And it will ever be to the credit of the Obregon and Calles governments that they gave the wage earners the opportunity to develop their organization and place it in a position to be a wholesome and influential factor in shaping the destinies of Mexico.

"Unlike the old regimes, the present government is guided by the well founded belief that Mexico can not be prosperous if her wage earners are not given the fullest opportunity to improve their working conditions and raise their economic, social and intellectual standard.

"It is guided by the conviction that one of Mexico's paramount needs is to cut deep into the percentage of illiteracy. Accordingly, school facilities are being extended throughout the country as much as the revenues permit. While ap-

propriations for military and naval purposes are being steadily reduced, those for educational purposes are being increased.

"Special attention is being given to the needs of the rural population, and besides the purely elemental or primary schools, there are now hundreds of agricultural and vocational schools, and experimental farms established throughout the country, in striking contrast with those regimes which concentrated on the higher courses of a purely grammarian education for the few and completely ignored the every-day, practical needs of the native population of the country in the matter of education."

Touching upon relations between Mexico and the United States, Mr. Vargas paid a warm tribute to the work of the late Samuel Gompers in fostering better feeling between the peoples of the two nations. The speaker said:

"For inspiration in the task of humanizing international relations let us all turn to the memory of that great champion of labor and humanity, Samuel Gompers, the late President of the American Federation of Labor. Because of his devotion and unrelenting efforts in promoting a friendly understanding between the peoples of the United States and Mexico the memory of Samuel Gompers is very dear to us Mexicans. Therefore, we say to you, the work of promoting enduring peace and friendliness between the United States and Mexico should be made a part of the program of the Workers' Education Bureau, and there is no better way of achieving that, we believe, than by faithfully interpreting to the American people the ideals and the aspirations of the people of Mexico."

Old Age Pensions

Adoption of three new old age pension laws, in California, Wisconsin and Nevada, thus far in 1925, and the creation of official commissions in four additional states to study the problem of old age with a view to legislation, show substantial gains in the movement to replace the poorhouse system with home care of aged dependents, according to a report published by the American Association for Labor Legislation.

IT MAY SOUND ALL RIGHT—BUT



BUILDING material consisting of ashes and water has been invented by an architect of Horten, Norway. It is predicted it will smash construction cost. Gas concrete is the name of the material, according to a report issued by the American Chemical Society.

Its report, in part, says:

"The raw materials that enter into the making of gas concrete are mainly cement, lime and ashes from bituminous alum slate used for burning the lime. The ashes are ground very finely with lime and are then mixed with the necessary amount of cement and a substance forming gas when mixed with water.

"After mixing with water the mass is cast into low-walled molds, which are filled only half full. After some time the mortar begins to rise and soon will reach the level of the molds.

"It is allowed to harden somewhat and is then cut into bricks of any shapes or sizes, which are finally hardened like the ordinary concrete bricks. It has a crushing strength of approximately thirty kilograms per square centimeter and a very high insulative power against heat as well as sound, nearly like that of wood.

"The bricks are cheap in production, as the greater part of the raw materials—the ashes and the water—costs nothing."

VERY GOOD ADVICE

There is something of sacredness about the contents of a letter. The writer often reveals more of himself on the written page than he would in direct conversation. This revelation of course, is designed only for the eyes of the correspondent.

In this country a wholesome respect has been built up for the sanctity of a letter but it is not so respected in many other countries where the opening and reading of sealed mail becomes, at times, so prevalent that the practice has earned the appellation "cracking seals."

The average American would be filled with wrath and the timid soul would shrink with horror at the thought of a third person, and a stranger at that, reading his "personal correspondence."

Yet, that is exactly what happens to 21,000,000 letters a year and will continue so long as letter writers fail to put return addresses on their envelopes.

When a letter, without a return address, can not be delivered for any reason, it is sent, after a certain time, to the Dead Letter Office.

There it is opened and read—not for the possible scandal it may contain—but with a view to finding some clue which will enable forwarding on to the addressee or returning to the sender.

Out of every five letters received at the Dead Letter Office such a clue is found in one and it is sent merrily on its delayed way to one or the other of

the two persons most interested in its disposition. The other four are destroyed.

Every person knows his own address and if he would put it on the envelope, the contents would remain inviolate and the letter would be returned with notice of non-delivery.—United States Post Office Department.

Take Notice

Mr. Frank Duffy, Secretary,
United Brotherhood of Carpenters and
Joiners of America,
Carpenters' Building,
Indianapolis, Ind.

Dear Sir and Brother:

We have received information from officers of National and International Unions in Detroit, Cincinnati, Chicago, and Toledo, that checks which they have endorsed upon request of L. A. Sterne have been returned to them marked "No Funds."

We are advised that Mr. Sterne in requesting this favor represented himself as being connected with the office of the American Federation of Labor at Washington, D. C.

This is to advise you that while L. A. Sterne was employed at headquarters for a number of years, he has had no connection with A. F. of L. headquarters since 1921. Yours fraternally,

FRANK MORRISON,
Secretary, A. F. of L.

Keep Your Dues Paid Up

NEW YORK BUILDING FIGURES

During the first quarter of the current year construction started in New York amounted to \$165,283,000, a decrease of 41 per cent from the first quarter of 1924. The comparison is not as serious as the figures indicate because the first quarter of 1924 was one of the most active in the building history and must not be regarded as a normal condition.

March building contracts in New York City amounted to \$48,556,500, according to F. W. Dodge Corporation. While this was a 26 per cent increase over February, it was a 63 per cent drop from March of last year, which had the largest monthly building total on record.

THE MAN WITH THE HOE

(By Edwin Markham.)

Bowed by the weight of centuries, he leans
Upon his hoe and gazes on the ground,
The emptiness of ages in his face,
And on his back the burden of the world.
Who made him dead to rapture and despair,
A thing that grieves not and that never hopes,
Stolid and stunned, a brother to the ox?
Who loosened and let down the brutal jaw?
Whose was the hand that slanted back this brow?
Whose breath blew out the light within this brain?

Is this the Thing the Lord God made and gave
To have dominion over sea and land;
To trace the stars and search the Heavens for
power;
To feel the passion of Eternity?
Is this the Dream He dreamed who shaped the
suns
And pillared the blue firmament with light?
Down all the stretch of Hell to its last gulf
There is no shape more terrible than this—
More tongued with censure of the world's blind
greed—
More filled with signs and portents for the
soul—
More fraught with menace to the universe.

What gulfs between him and the seraphim!
Slave to the wheel of labor; what to him
Are Plato and the swing of Pleiades?
What the long reaches of the peaks of song,
The rift of dawn, the reddening of the rose?
Through this dread shape the suffering ages
look;

Time's tragedy is in that aching stoop;
Through this dread shape humanity, betrayed,
Plundered, profaned and disinherited,
Cries protest to the Judges of the World,—
A protest that is also prophecy.

O masters, lords and rulers in all lands,
Is this the handiwork you give to God,
This monstrous thing distorted and soul-
quenched?

How will you ever straighten up this shape.
Touch it again with immortality;
Give back the upward looking and the light;
Rebuild it in the music and the dream;
Make right the immemorial infamies;
Perfidious wrong, immedicable woes?

O masters, lords and rulers in all lands,
How will the Future reckon with this Man?
How answer his brute question in that hour
When whirlwinds of rebellion shake the world?
How will it be with kingdoms and with kings—
With those who shaped him to the thing he is—
When this dumb Terror shall reply to God,
After the silence of the centuries?

PRESIDENT GREEN'S VIEWS

William Green, President of the American Federation of Labor, in a statement declares the "decision of the Supreme Court of the United States regarding the powers and constitutionality of the Kansas industrial court is a clear vindication of the position regarding the Kansas Court of Industrial Relations taken by the American Federation of Labor," and "completely destroys the Kansas industrial act."

"While I have not had an opportunity to study this decision carefully," he said, "my impression is that it most clearly establishes the principle that wages, hours of employment and working conditions in private industry can not be fixed by law.

"Through the decision compulsory arbitration has received a death blow and voluntary agreements and voluntary bargaining between employer and employee is firmly and, we hope, permanently established."

TO TORNADO SUFFERERS

To assist any member whose home was destroyed in the recent tornado in a section of the middle west, Brother O. D. Bartow, Box 523, Woodbury, N. J., is willing to permit the use of his patented concrete construction process, by any member proving his membership in the United Brotherhood. Brother Bartow claims that his process will enable buildings to withstand tornado conditions.

Ecclesiastes Teaches Unionism

"Two are better than one, because they have a good reward for their labor. For if they fall, the one will lift up his fellow, but woe to him who is alone when he falleth; for he hath not another to help him up. And if one prevail against him, two shall withstand him, and a threefold cord is not quickly broken."

He Went Up On High

Ben Higgins never would be passed.

He bragged his car's endurance.

He passed six cars with backward glance,

His wife has his insurance.

The Union Label is a priceless gift of power and helpfulness.

Editorial



THE CARPENTER

Official Journal of

**THE UNITED BROTHERHOOD OF
CARPENTERS AND JOINERS
OF AMERICA**

Published on the 15th of each month at the
CARPENTERS' BUILDING
Indianapolis, Ind.

UNITED BROTHERHOOD OF
CARPENTERS AND JOINERS OF AMERICA,
PUBLISHERS

FRANK DUFFY, Editor

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INDIANAPOLIS, JUNE, 1925

So That's That

COMPULSORY arbitration of industrial disputes, together with the fixing of wages and working hours by law, has been declared unconstitutional by the Supreme Court of the United States. The issue was decided recently, in the form of a case referred to the Court, from the Kansas Court of Industrial Relations. The Kansas law creating the court was a notorious product which made its appearance during the term of Governor Henry Allen, and from the very beginning was opposed by Organized Labor.

The law was supposed to relate to what those charged with its administration pleased to call "essential industries." In its practical working, it was a powerful instrument to deprive organ-

ized workers of the material improvement in their wages and living conditions, to which they had established their right by virtue of organizing themselves for that purpose. Furthermore, it was destined to have the effect of sapping the militancy of labor unions, by legally depriving them of the need of struggling for the object for which they were formed.

A labor union, like an individual, is kept "fit" by exercise, meaning, the necessity of keeping continually alert and vigilant, to protect itself from the impositions and encroachments of influences which would tend to make it "flabby" and "soft." That was only one of the insidious effects of the Kansas law. Another was, that it worked against the organization of working men, because the non-union man could lean up against the excuse that the court had the first and last word in deciding what he should do with his labor, and the price he was to get for it.

The action of the Supreme Court has done more than give a knock-out blow to the Kansas product. It has squelched ideas of the same principle being embodied in legislation by other states. Of course, to students of the subject, it was no new thing making its first appearance in the industrial world. Australia for years has been saturated with that kind of legislation, much to the regret of the workers of that continent, where fines and imprisonment are the punishments for disobeying its mandates.

Canada, from 1907 until this year, had a law of somewhat the same kind, and which was the object of keen and sustained criticism at the annual conventions of the Trades and Labor Congress of Canada. In its day, somewhere about 1912, it was seriously investigated in its workings by a representative sent specially to Canada by the British Government, with a view to the possibility of similar legislation being enacted over there. The proposal was opposed by the trade unions of Britain, and it was allowed to languish into oblivion.

It all comes back to what old-time members and students of labor union history have long since known. Don't trust your interests as workers to politicians and legislators. Anytime they start talking about their solicitude for the welfare and advancement of Organized Labor, it is time for union men to stay up nights if necessary to watch what they do. For the most part they have no regard for Organized Labor, when that would run contrary to the economic interests of those who furnish campaign funds and other election machinery.

Let the trade unionist keep his mind and understanding clear at all times about this business of who is his best friend. The meeting hall of his union, the faces of his fellow members, and an ordinary mirror, will show him his real friends when it comes to protecting his material interests as a workman. Legislation is a very dubious, and certainly a second rate and treacherous substitute for those things. His union is his only real protection, and its fighting power is best maintained by him realizing that. He has been fooled often enough by legislation.

Labor A Tabooed Subject

THOSE profound persons to whom the duty of writing the official histories of nations has been assigned, have made a consistent practice of ignoring the part which labor organization has played in the industrial and social life of peoples. The workers, and their struggles to raise the standard of their daily lives, would seem to have been beneath the contempt of these academic scribes.

The result is, that the young student can learn nothing of this from the ordinary text books, which are considered suitable for his tender intelligence. At least one American educator is of the opinion that this is a deliberate and intentional policy. Prof. Edward O. Sisson, professor of Philosophy in Reed College, Portland, Ore., has written a book entitled "Educating For Freedom," and in the course of a chapter called "Educative Use of History," finds occasion to remark as follows:

"Most of this history was submerged even while it occurred, and little record has ever been made of it until our own day.

"It is only three or at most four generations since laboring men were indicted in both England and the United States for daring to unite for the purpose of raising their wages and improving their conditions of life.

"But these feeble beginnings of labor organizations certainly proved to be one of the most potent seeds of history now to be reckoned with by everyone who desires to understand his times.

"Yet even now our school instruction practically ignores the whole movement; the most trivial and inconsequential topics get more space and consideration.

"In the education of an American citizen in the twentieth century, the history of labor is far more worthy of a quarter or a semester of study than the history of any foreign country, not excepting even Greece or England.

"One of the grave defects of history as it is written and studied today is its prevailing silence and neglect toward this great and growing interest."

The learned professor has not made any remarkable discovery, and doubtless would be the last to claim that he had, but in devoting a portion of his book to bringing this to the attention of those who will read it, he will likely be the cause of some seeking deeper knowledge on this subject than they might have done but for his mention of it.

To those who have been in close touch with the question it has long been realized that the so-called courses in economics, which are given in the great universities and colleges, are not based upon the fundamentals of economics at all. They are more often specialized lines of instruction, designed for the establishment in the mind of the pupil of a certain viewpoint which will fit in with the current economic thought of the day.

The true and everlasting fundamentals of economic knowledge are land and labor, and the economic structure of any age is, at bottom founded upon the application of human labor of hand and brain to the natural resources of the earth. From thence and thence only comes all real wealth, no matter

how complicated the superstructure of finance and trade above it may be.

But perhaps if college students were required to commence their studies of the subject at that point, it might be feared by some of those who have great influence on the policies of educational institutions that their young minds would not thereafter so easily fit into the grooves of thinking which are awaiting them at the conclusion of their studies.

To give thought to the existence and work of the labor movement might seem to some to be beneath their dignity. If so, then they are in danger of paying dearly for such purblind contempt. The labor movement is here, and here to stay, as an integral part of the industrial and social life of the world, and it would profitably behoove any man laying claim to general intelligence of what is going on about him, to be informed as to its history, accomplishments, and aspirations.

But that there is lamentable lack of that is evident. The average business man, who could tell you the very last thing in the way of information about raw materials, processes of manufacture, markets and so forth, connected with the industry in which he is interested, can as a rule tell one nothing really reliable about labor organization. His attitude is generally one of ill-informed antagonism towards something which he does not in a general sort of way like.

At the best he only thinks of it in conjunction with his pay roll, and not as a powerful economic and social force, working to raise the living standards of the mass of the people—that is those who do the world's work. If his teachers had only thought fit to instruct him about it in his youth, a good deal of misunderstanding, trouble, and expense might have been saved him.

Credit Where Credit Is Due

RECENTLY a well known public man, addressing a meeting of business men, said that there was no place for agitators in the ranks of American working men as long as so many of those working men owned automobiles and their own homes. The reason for this, he said was, because working men in America were so much better treated than in other countries, where

the agitator of the type he was thinking of existed.

Well, there are agitators and agitators, and we take this opportunity of rising in our place and saying that, if American working men in many cases do own their own homes and maybe a flivver too, it is not in any way due to the voluntary generous treatment of their employers. The real and only reason is, that they are organized in trade unions which, by agitation of a reasonable and militant kind, have enabled them to establish for themselves wage scales and working conditions which bring them some of the worth while things of life.

The credit belongs to them, and not to those who would arrogate that credit to themselves, after it has been made a fact by the constitutional and common sense agitation of the trade unions of this country. Render to Caesar what is Caesar's, and don't let us forget what would have been our lot if these things had been left to the employers' unions. The trade unionists of this country got what they have got for themselves by their own efforts, and in face of the vicious opposition of employers.

It is only about a century since it was a crime punishable by imprisonment for workmen to band themselves into unions for the purpose of raising wages and improving working conditions. And likely enough, if we abandoned the protective organizations we have established by agitation to do away with that kind of treatment it would not be so long before it would be brought back again.

As we said, there are agitators and agitators, and it is sound social and industrial policy to keep alive the agitation which has established the trade unions of this country which have enabled some workmen to own their own homes and flivvers. Until they are all in that position it has not completed its work. And then it needs to keep on holding what it has got.

This Way Out

FOUR months ago, Mr. Trotsky was invested with the Soviet Order of the Trot, by the dictatorial junta headed by his friend Mr. Zinovieff, and urgently assisted to take a prolonged vacation in the Caucasus. Now the annual Soviet convention at its meeting

has reversed the process, and Mr. Zinovieff has had the decoration conferred on him; and Mr. Trotsky has come trotting back.

Just what it will eventually mean in respect to the economic policy of Russia remains to be seen. But in the meantime it is a practical demonstration of the playful way these people have of knifing each other in the back. As dictators they are of necessity despots, and viciously jealous of each other, besides being hogs for popularity with the masses whom in their hearts they so thoroughly despise.

Their race is about run, and they show that they know it, by easing up and making concessions to the great mass of the common people of Russia, whom they have always regarded as so much human material on which to try out their hare-brained experiments. When the whole gang of them have got out or been put out, there will be a chance for the common people of Russia to go to work and lay the foundation of real democratic government and Mr. Trotsky won't be in the picture either.

Who Pays The Piper Calls The Tune

ENDOWED colleges and universities in the United States draw 28 per cent of their income from railroad stocks and bonds, representing a total value of \$148,270,993, according to the Bureau of Railway Economics. It is a revelation of the most profound importance that these great institutions, which have so much to do with molding the mind of the country's youth, should derive so much support from this quarter.

For one thing, it is hardly to be expected that the teachings authorized would be of a character which would tend in even a remote degree to impair the value of those stocks and bonds as dividend producers. In other words, trade unionism, with its policy of striving for higher wages and other improvements, which would mean a reduction of those dividends, need not expect to get any sort of a fair show.

Indeed, the material offered in those colleges as true, in the way of information about workingmen and their environment generally, is notoriously artificial and distorted. What is more, there

is some reason to think that not a few of the "learned professors" engaged in pumping such philosophies into the youth given over to their care, do not themselves believe a lot of what they are required to teach as being fundamentally true.

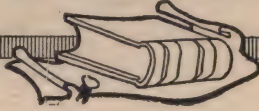
It is merely a question of bread and butter with many of them, inured to the cynical viewpoint that those who pay the piper have the right to call the tune here as anywhere. Incidentally, the entire teaching profession from lowest to highest grade is poorly paid itself. In the colleges referred to, the children of the workers do not figure among the students. The authorities are conservative and discriminating, preferring to choose their pupils from those walks of life where it is felt that "higher education" will be best invested, and later used as a continued bulwark to privilege and property as represented by the sources of income upon which many universities depend.

Be Ready For the Future

THE wheels of industry in Europe are turning more and more every day now in the business of producing the normal wants of the nations over there, and the markets of the world at large. It is only from that source that the mighty financial obligations of both victors and vanquished in the late war can be met and liquidated. The effect of it is beginning to be felt everywhere in a feverish and increased competition for trade.

The United States with its tremendous home market, plus a purchasing power directly due to the militancy of its trade unions in fighting for decent wage rates, may not ever feel this competition as much as those nations which are staggering under a load of debt. But even here it is already being realized to a definite and noticeable extent in some lines of industry. The building trade taken the country over, is as yet very far ahead of normal times in respect to output and demand. But it will be well for us not to relax one iota in our organizing enthusiasm, and every other measure we have learned to rely upon for the protection of our wage standards and general living conditions.

Official Information



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Carpenters' Building, Indianapolis, Ind.

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IMPORTANT NOTICE

We are continuously having numerous complaints that members are not receiving our official Journal, "The Carpenter," and upon investigation we find that in most cases it arises from the fact that the only address submitted to the General Office is "General Delivery," and when sent this way, and not called for, the Postmaster sends same back to this General Office at quite an expense.

We must therefore insist that the Financial Secretaries of each and every Local get the correct street address of every member of his Local in good standing who does not receive the Journal, and submit same to the General Office.

Careful attention to the foregoing will assist this Office materially in getting our Journal out promptly and to the parties interested.

Financial Secretaries will also take into consideration that it is necessary to call attention on those same blanks to the names of members who are suspended and granted clearance so that their names can be erased from the mailing list in the town or city in which their Local is located. If sufficient blanks are not furnished at any time, our attention should be called to same and they will be promptly forwarded.

We must also insist that the Financial Secretaries obtain the same information from all members newly initiated and admitted on clearance, together with those who have changed their address, and forward same to the General Office on the blanks furnished for that purpose each and every month.

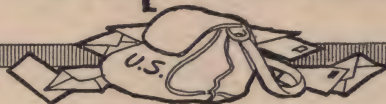
We also desire to call attention to the fact that it is not necessary to furnish each and every month a complete roster of your membership, and their addresses, only changes in same being necessary.

Keep Your Dues Paid Up

All correspondence for the General Executive Board must be sent to the General Secretary.

3500,000 - Members - For - 1925

Correspondence



About Looking For A Job

Editor, "The Carpenter":

The writer is one of a committee of L. U. 115, Bridgeport, Conn., appointed to make a survey of the "methods used in seeking a job."

It is a contention of the writer, and some others, that the present lack of definite methods in seeking a job results in much wasted energy; and ofttimes does harm.

In most localities, men out of work go from job to job seeking employment, and in slack periods this means that many of our craft are going to the same jobs.

Maybe some localities have already solved this problem, and if so, details of its operation will be greatly appreciated.

At first though the solution would seem very, very simple via a rotation list, but there are so many varying desires, abilities, prejudices, etc., both on the part of the journeymen and with the employers, that the plan becomes rather involved. But the writer firmly believes that somewhere in this Brotherhood of ours will be found a fundamental idea that can be whipped into a good, serviceable plan to remedy the present chaotic methods.

Isn't this a good subject to bring up under the "Good of the Order" at the next meeting of your Local?

Fraternally yours,

LOUIS ATWATER,

P. O. Box 783, Bridgeport, Conn.

What Auxiliary No. 28 Is Doing

Editor, "The Carpenter":

Ladies' Auxiliary No. 28 meets the first and third Tuesdays of the month in the homes of the members, and do sewing for the less fortunate. We are members of the Federated Club, help furnish milk for the schools and at Christmas time several baskets are given to the needy.

We piece quilts and have cooked food sales, which are very successful, the proceeds going to our treasury to help carry on our work.

On Labor Day we have a basket dinner at the park for the carpenters and families.

Our annual entertainment is on New Year's night when we have a dinner and program for the Auxiliary and families.

We are not as large an organization as some of the Auxiliaries, but a merry bunch and always willing to do our part to help others.

MRS. D. J. RIDGWAY, Rec. Sec.
Ladies' Auxiliary No. 28, Bartlesville, Okla.

Ladies' Auxiliary No. 21

Editor, "The Carpenter":

We have been organized nine years February 3, 1925, and our present membership of 28 is about one-third of the union carpenters' wives in this city.

We meet at the Carpenters' Hall the first and third Tuesday afternoon of each month. We recently held a social to which all union carpenters and their families were invited. Our membership committee got busy and six applications were handed in the same evening.

We usually have work of some kind to do at our meetings which brings us money for our treasury. There are not many of us but we are on the job.

MRS. GRACE B. ADAMS, Rec. Sec.
Ladies' Auxiliary Union No. 21, Marshalltown, Iowa.

First In Vermont?

Editor, "The Carpenter":

We wish to notify you of our newly formed Ladies' Auxiliary No. 72. We have twenty-four charter members and nineteen of the brothers are honorary members.

We believe we have the distinction of being the first Auxiliary in Vermont.

We hold our meetings after the brothers have theirs, and generally have a social hour with refreshments.

Fraternally yours,

FLORA LORD, Rec. Sec.
Ladies' Auxiliary No. 72, Barre, Vt.

ONE HONOR ROLL OF 1924

The year 1924 witnessed the passing of many trade union executives. These included:

Samuel Gompers, President, American Federation of Labor.

James J. Freel, President, International Stereotypers' and Electrotypers' Union.

John Voll, President, Glass Bottle Blowers' Association.

Edward J. Cantwell, Secretary, National Association of Letter Carriers.

Adam Huebner, Secretary, International Union of the United Brewery, Flour, Cereal and Soft Drink Workers of America.

George Nolte, Vice-President, Brotherhood Railway Carmen.

Alex Russell, Executive Secretary, Granite Cutters' International Association.

Martin J. Conroy, Vice-President, United Association of Plumbers and Steam Fitters.

Daniel A. Post, General Executive Board Member, United Brotherhood of Carpenters and Joiners of America, for 22 years.

James P. Fox, Vice-President, International Union of Bricklayers, Masons and Plasterers.

F. C. Bolan, Vice-President, International Brotherhood of Blacksmiths, Drop Forgers and Helpers.

Chris Evans, former Secretary, United Mine Workers of America.

The year also marked the passing of T. V. Powderly, one time grand master workman of the Knights of Labor; Joseph Buchanan, nationally-known labor writer and old-time labor editor, and Wm. McCabe of New York Typographical Union, who was grand marshal of the first Labor Day parade in the United States, September 5, 1882.

Miami, Fla., Celebrates

More than 800 carpenters, members of L. U. 1407, Miami, Fla., with their wives and friends, recently celebrated the fourth anniversary of the Local Union with an evening of merrymaking. An address by William Jennings Bryan, good music, refreshments galore and dancing, all combined to make the evening an outstanding event among the social affairs of No. 1407.

UNITY NEEDED THERE

The following table shows the respective memberships of the six national trade union centers which exist in Holland:

N. V. V. (affiliated with I. F. T. U.) 179,229 members, or 46.27% of all the organized workers (on January 1, 1923, 43.7%).

R. K. V. (Roman Catholic) 101,110 members or 26% (on January 1, 1923, 27%).

C. N. V. (Protestant) 53,967 members or 13.8% (on January 1, 1923, 13.9%).

A. N. V. (Neutral) 32,222 members or 8.29% (on January 1, 1923, 10.18%).

N. A. S. (Communist) 13,527 members or 3.48% (on January 1, 1923, 4.8%).

N. S. V. (Syndicalist) 8,110 members or 2.09%. Total, 388,865 members.

If we add to the above total of 388,865, the trade unions which do not belong to any national center, such as some of the clerks' and shop assistants' unions, and the civil servants' unions, we obtain a total of 517,900 organized workers (manual and non-manual).

Information Wanted

This is a picture of Charlie P. Humphreys, who was working in Philadelphia a short while ago, as a carpenter. Any-



one knowing of his whereabouts please communicate with Miss Naomi Humphreys, 210 W. 9th St., Mishawaka, Ind.

* * *

Isaac Walmsley, formerly of Bradford, England, is requested to communicate with Robert Walmsley, 16 Winter St., Haverhill, Mass., when he will hear of something to his advantage. It is believed that Isaac Walmsley was formerly a member of the Amalgamated Section of the United Brotherhood in San Francisco.

Chips and Shavings

Japanese cotton mills work 22 hours daily in two shifts, employing female labor at night.

* * *

Almost 3,000 women were appointed as postmistresses during 1924. Texas led in the number appointed, with 166.

* * *

It is estimated that there are 224,000,000 people, or 71 per cent of the entire population of India, engaged in agriculture.

* * *

If good judgment and common sense are applied in making purchases, an increase in the demand for the Union Label, card and button is sure to follow.

* * *

This is the month when we nominate officers of Local Unions for the coming year. Look 'em over now, and select those whom you think will be best fitted for the job.

* * *

According to reports in the Japanese press, unemployment is very serious in Japan. An investigation made by the Bureau of Social Affairs shows that more than 932,000 workers are out of employment.

* * *

J. J. O'Brien, Vice-President of the Iowa Federation of Labor and for more than 20 years President of the Muscatine Trades and Labor Assembly, died recently. He was 63 years of age and had been a printer for 40 years.

* * *

The International Typographical Union now has 2,414 members on its roll of old age pensioners, of which number 61 are women. The pension payments for the fiscal year of 1925 will aggregate approximately \$1,000,000.

* * *

In Alabama 41.2 per cent of the negro children of school age are not enrolled. In 1920, it would appear, of negro children between the ages of 10 and 14 years living in rural districts of Alabama 28.6 per cent did not attend school; in Georgia the percentage for that year was 32.5; in Louisiana, 40.9; and in Mississippi 26.2.

There are now only six states in the United States, besides the District of Columbia, without workmen's compensation laws, according to a bulletin issued by the United States Bureau of Labor Statistics giving the status of compensation legislation at January 1, 1925. The deficient states are Arkansas, Florida, Mississippi, Missouri, North Carolina, and South Carolina.

* * *

The year 1924 was marked by 18 fewer strikes and lockouts in Canada than 1923, which in turn (together with 1922), had shown the least number of disputes since 1915. Including ten disputes carried over from the previous year, there were 73 disputes during 1924. The number of workers involved was 32,494, as compared with 32,868 in 1923, and the time lost was 1,770,825 working days, as compared with 768,494 in 1923.

* * *

The thirteenth annual meeting of the United States Chamber of Commerce was scheduled to meet in Washington at the end of last month. The official call said the main subjects to be considered were: "The European Situation, American Business Conditions, Commercial Treaty Policy, the Merchant Marine, the Federal Trade Commission, Agriculture, and Congress and the American Public." From the order of procedure it is evident "the public" wasn't considered very important.

* * *

The National Woolen Mills Company of Parkersburg, West Virginia, makers of made-to-measure clothing for men, for years a union concern, broke its agreement with L. U. 350 of the Journeymen Tailors Union of America, on the 24th day of January, 1925, and declared for the so-called "open shop," causing a lockout of 187 union members, men and women. This lockout came without a word of warning, or previous notice, as the agreement with the union does not expire until September 16, 1925, according to a circular issued by the union.

Craft Problems



Building a House

LESSON NO. III

(By H. H. Siegele.)

Whether or not moving pictures will be transmitted by radio during the life time of the apprentice, does not worry us in the least; we are sure, however, that houses will not be built by radio for a long time, so we might as well go ahead with the house that we started two articles back.

Of course, we will bear in mind that science has made many discoveries within recent years, the effects of which will live as long as civilization itself, but science, with all of its marvelous achievements has never found a substitute for work—and it will be well for the apprentice to remember that if he is to accomplish anything worth while during his life time, he will do it through the medium of work. On the other hand, he should learn early in his career how to attain accomplishments, as a builder, with the least possible expenditures of labor.

We have been speaking about work, and that is what we are coming to. The excavators are through with the digging, and the concrete men have the footings poured, so the next thing to be done is form building.

Form building is an important part of our trade, and the man who understands how to build forms, is a skilled mechanic, as much as the man who can build a stair or frame a roof.

We are aware of the fact that there are those who think that almost anybody can build forms—and those people really have forms built by almost anybody; but the results, if carefully analyzed, will be indicative of poor business ability, rather than what they were hoping for, economy.

The inexperienced form builder usually goes at form building just as he would go at building a permanent building—forgetting, for the time being, that this work is merely a temporary support for the green concrete, which, af-

ter the concrete has set, must be removed.

Because of this misconception, he uses altogether too many nails, thus, not only increasing the cost of erecting the forms, but, as is often the case, doubling the cost of removing them as well. No more nails should be used than just enough to hold the forms in place.

Of course, for bracing, and for work where the strength depends entirely on the nailing, plenty of nails should be used. Bearings depending entirely on nails, should be avoided as much as possible, and defective material should not be used for either shores or braces.

By referring to the basement plan, Fig. 16, on which the footings are indicated with dotted lines, and the walls are shown by the continuous lines, we can readily obtain an idea of the amount of form work we have to do. Fig. 17 is a detail of the hatchway steps.

The grade door, is a much better arrangement for obtaining passageway from the outside to the basement, but for the sake of economy, and because we did not have the necessary space for a grade door, we have chosen the hatchway.

Concrete, if good cement and good, clean gravel and sand is used, is in many ways the best material that can be used for foundation walls. It has a great compressive strength, but its tensile strength has no value, from a practical standpoint, unless it is produced by means of reinforcing,

In Fig. 17 we are representing the reinforcing by heavy dots, and a dotted line near the bottom of the hatchway steps. Each footing shows two reinforcing rods. The size of the rods must be determined by the amount of strength necessary—a half or a five-eighths inch rod will answer the purpose for ordinary residence work.

The cross rods for the steps can even be smaller, and still answer the purpose. The risers of the steps shown on this

This does not involve any extra expense, but it makes a marked difference on the ease of the steps.

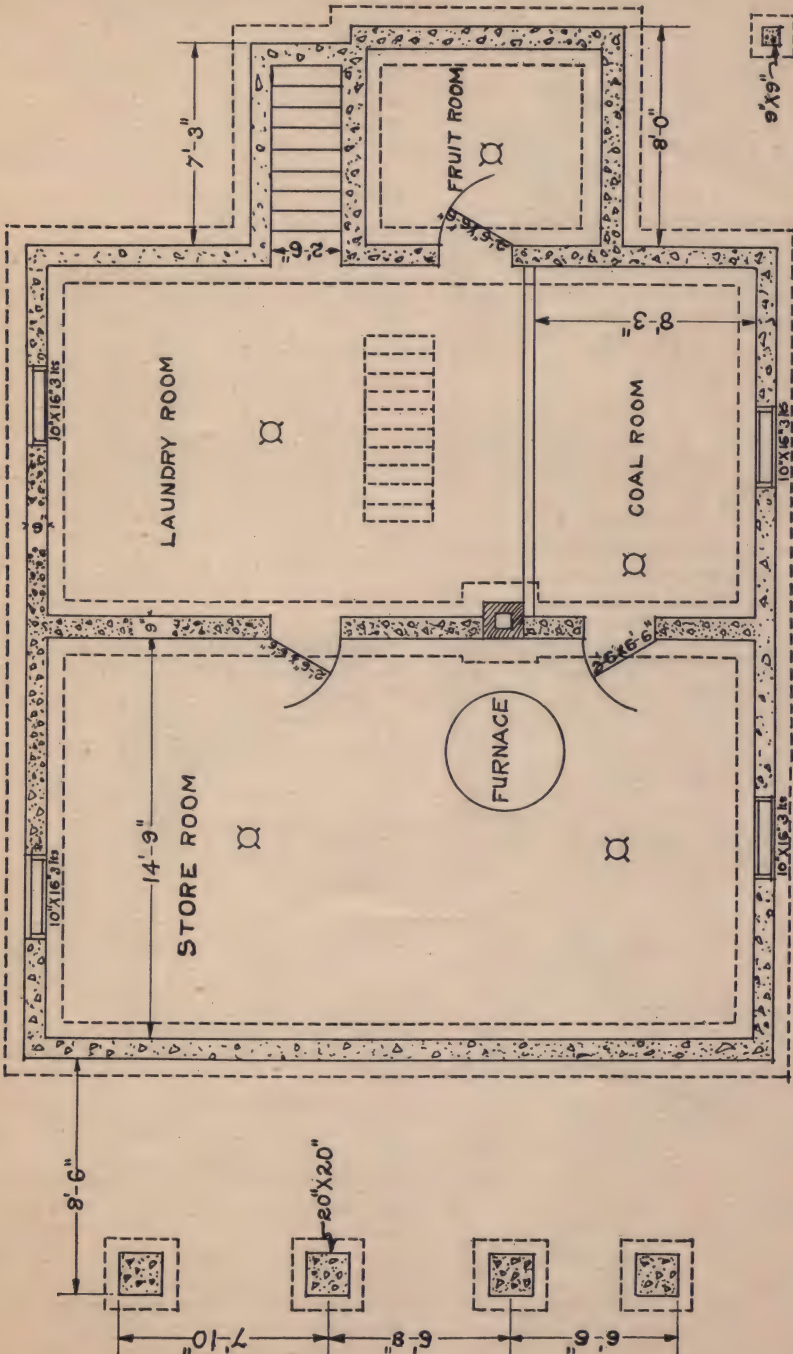


FIG. 16.

drawing, are about an inch out of plumb—the reason for this is to give toe-room.

Fig. 18 is a detail of a double form for the outside wall—to the left is

shown the run on which the concrete is wheeled to the place where it is poured

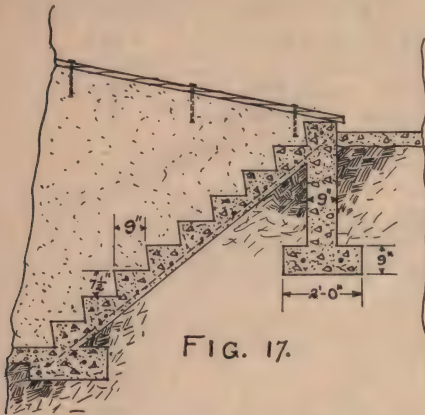


FIG. 17.

into the forms. By selecting a straight plank to start with at the point indicated by a, it will be an easy matter to straighten out the forms at the top.

A brace, such as is shown at k, should be placed at each joint of this starting plank, the purpose of which is to hold the top of the forms in a general line.

At l, is shown a foot brace nailed to a 2x6, the purpose of which is to hold the bottom of the forms in line. The upright, b, should be cut from 2x4 stuff to a length that will work into the building without much waste.

The ledger, marked c, can be a stud-cut to the right length. The 2x4 shown at d, is the first piece to be nailed

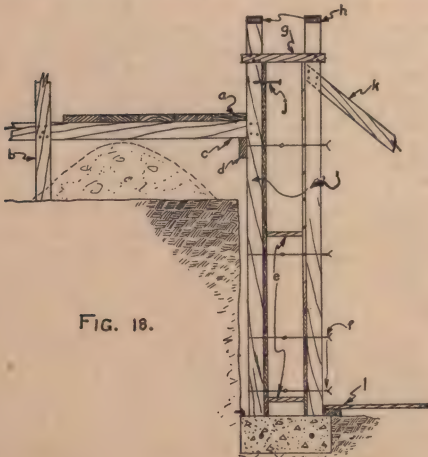


FIG. 18.

into place when the run is built. A pile of loose dirt is represented under the run by the dotted line, dots and loops.

The excavator should not be permitted to throw more dirt at this place than what is necessary to fill in between the dirt-bank and the concrete wall.

The indicators at e, point out the spreaders, and f shows the wires—number 12, bendable wire usually gives the best results. The upper tie-piece is shown at g, and h shows the top plates.

The uprights, of which we will have more to say in our next article, are pointed out at i.

At j, is shown a nail, which is somewhat exaggerated, representing the grade line. A grade-nail stuck at intervals of from four to six feet on the grade-line, will be sufficient to guide the concrete man in bringing the top of the wall to a fairly even finish.

On Fig. 19, which is another method of forming for an outside wall, the grade-nail is shown on the inside form—the reason for this is that the outside

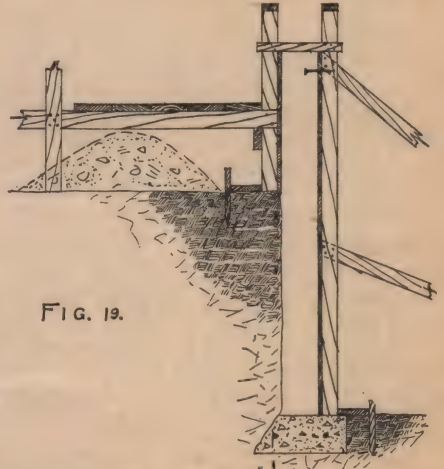


FIG. 19.

form is not reliable—it may settle, and thus cause rather embarrassing difficulties.

This method of form building is not to be recommended, although, under certain conditions satisfactory results can be obtained with it. The only advantage that it offers is that it reduces the excavating—the labor that is saved on the outside forms, if any, is balanced by the extra amount of labor necessary in bracing both the inside and the outside forms.

The greatest danger, and therefore the greatest objection, that this method presents, is the danger of the bank caving in, not only while the forms are being

erected, but even while the concrete is being poured.

Fig. 20 shows a section of the outside wall as it will appear after the forms have been removed and the space between the dirt bank and the wall has

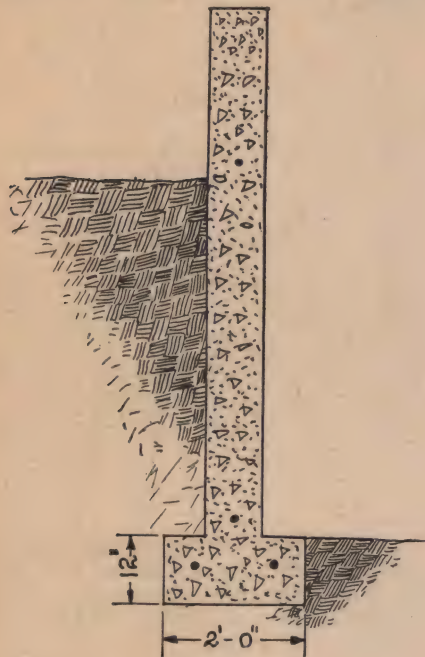


FIG. 20.

been filled in. The width and the thickness of the footing are shown by figures, and the reinforcing is indicated by heavy dots.

In concluding this article we want to say a few words to the apprentice. The older heads may know what I want to say, but the apprentice, if he is really in earnest about learning the trade, will listen until I am through.

The last illustration shows the forms removed, and since we were taking the lead in the work, the nails have all been taken out, and the lumber carefully piled, at a place where it will be convenient, when it is to be used in the building.

Besides that, each kind, and as near as possible, each length has been placed on a separate pile; thus it will not be necessary, when a certain kind or a certain length of material is needed, to move a lot of carelessly piled lumber, in order to get it.

Another thing: By referring to Fig. 20, it will be observed that, not only the filling in has been done, but, the ground around the building has been leveled. We did this because the carpenters will save more, by having level ground to work over, than the leveling of the ground will cost in the beginning—and it will cost less in the beginning, than it will after it has been packed by working over it.

If the apprentice wants to enjoy his work to the extent that it will be easy for him to do his best (if he does not want that, let him lay aside his tools and choose something else for a vocation) then he should fix his ideals early—let him say within himself, "I am going to do my best to reach the very top of the building industry," for with that saying he will go a long way toward gaining his ideal.

Building a House

LESSON NO. IV

(By H. H. Siegle.)

In these articles we are dealing with problems, relative to building a house, that seem to us to be important, especially, with the apprentice in mind. It should be remembered, though, that with the phrase, "that seem to us," we are limiting the subject matter within the bounds of our own experience and judgment.

We may handle a situation successfully, by using a method that we understand, while another man may try to handle the same situation with that method, and fail utterly—whereas, if he would use the method that he is familiar with, he might even accomplish better results than we could accomplish with our method.

What we want to say, is that we are not trying to change the proved and well-known methods of the experienced carpenter, but we are endeavoring to point out to the apprentice the most important problems about building a house, so that he can more intelligently choose the methods that will give him the best results, and, at the same time, avoid the ones that are questionable or unsatisfactory.

That does not mean that he will choose the methods that we are suggesting, we do not want him to do that, but what we want him to do is to inform

himself as thoroughly as he can on the various problems, and then work out a method, or methods of his own, which will give him better service than any borrowed method could.

In Article III we spoke about nailing forms—in Fig. 21 we are illustrating a method of nailing forms that is suffi-

cient for the length of the board. At the end of the board two nails should be driven.

This nailing is more than what is necessary, when the forms do not stand idle long enough for the sun to warp them—if the material is straight, in such cases, a nail at every other bearing is sufficient.

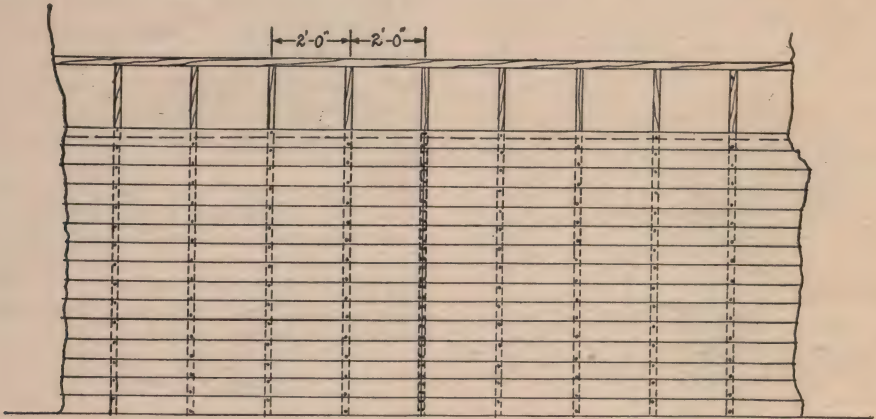


FIG. 21.

cient to hold any forms in place. The dots between the dotted lines indicate nails, which in this case are 6 penny common. (Never use box nails, because the heads do not have enough strength to hold for pulling them.)

At the center of the section of forms shown on this figure can be seen how all the joints have been made on one studding, this is much better than breaking the joints.

Fig. 22 shows a section of forms built

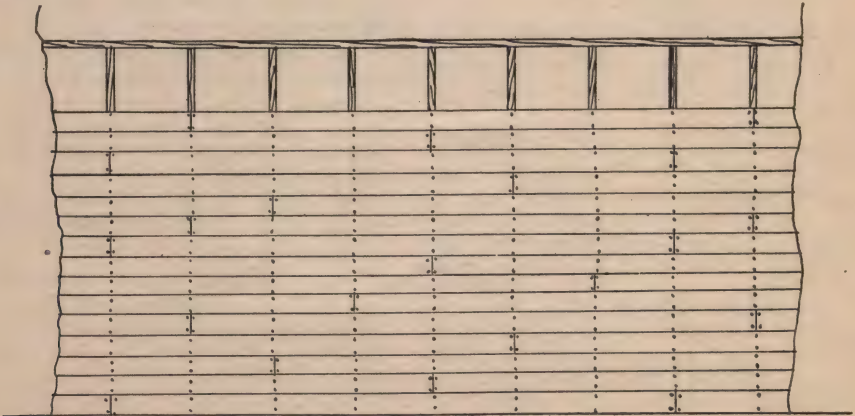


FIG. 22.

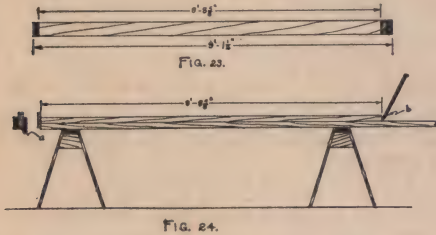
The nails in this case are staggered, that is, one bearing has the nail driven at one edge of the board, and the next bearing has the nail driven on the other edge of the board, and so on through

with the joints broken. This makes a good form, but it involves unnecessary labor, both for erecting and for removing the forms. Moreover, more of the lumber is destroyed while the forms are

being wrecked, than would be, if the joints were all made on one studding.

Usually the man who insists on breaking joints, also insists on using two nails to each bearing—sometimes 8 penny commons, at that.

We have in mind one job, it happened to be a by-the-day job. The man that built the forms used 8 penny common



nails, two to each bearing. It was winter when the forms were taken down. Everything was frozen hard, besides nailed to stay, plus. Although the weather was cold, it was an easy matter to keep warm—the difficulty was to keep from getting "hot."

The uprights for the forms that we have just considered were cut to the studding length. Fig. 23 shows the

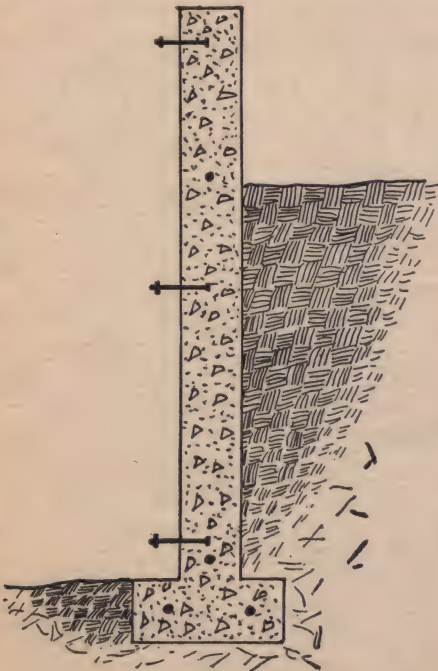


FIG. 25.

studding length as being 8 ft. 8 5/8 in., and the distance between the rough floor and the bottom of the ceiling joists as 9 ft., 1 1/2 in. The difference is the amount of space taken up by the bottom plate and the double top plate.

A little scheme for marking the studding is shown by Fig. 24. Take a straight studding, cut to the right length, and nail a 1x2x4 on the end as shown at a.

Use this studding as a pattern for marking the studding—the end piece must be kept tight against the end of the 2x4 to be marked, in order to obtain accuracy.

Being sure of this, mark along the end of the pattern with a pencil, as shown at b.

Fig. 25 is a section of the basement wall showing the anchor bolts, somewhat exaggerated, that should be put into the wall for the purpose of anchoring the coal room partition to the walls.

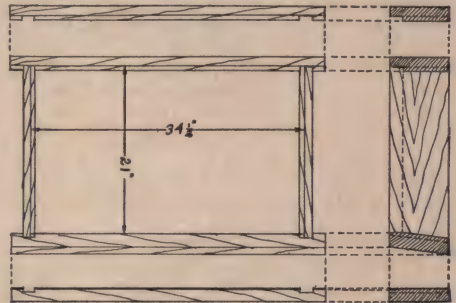


FIG. 26.

This is the only substantial way to fasten a wood partition to a cement or brick wall.

Fig. 26 is a detail of the cellar window frame. The sash having three lights, each measuring 10x16, so the width of the frame at the rabbeted edge would be three times 10, or 30 in. for the glass; twice 2, or 4 in. for the stiles, and twice 1/4, or 1/2 in. for the two parting mouldings; over all, 34 1/2 in.

The height would be, 16 in. for the glass, 2 in. for the top rail and 3 in. for the bottom rail; or over all, 21 in.

Fig. 27 is a detail of the cellar door frame. The width of which is 2 ft. 6 in., and the height is 6 ft. and 6 in. We are showing it rabbeted, which is, in many cases, not necessary.

Fig. 28 represents a section of a concrete basement wall. To the left of which is shown a crack, similar to

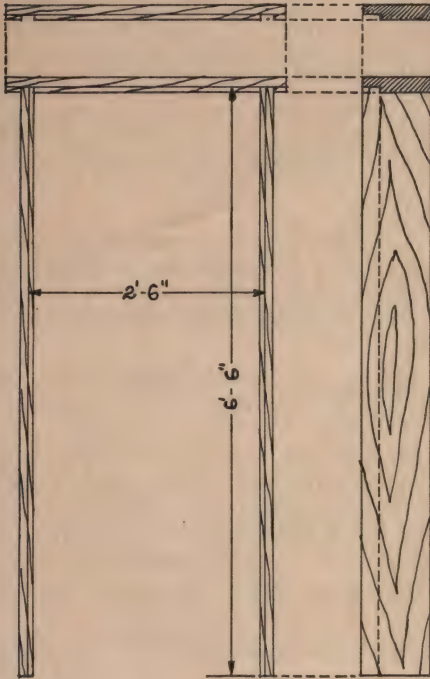


FIG. 27.

cracks that frequently appear on basement walls not reinforced with rods.

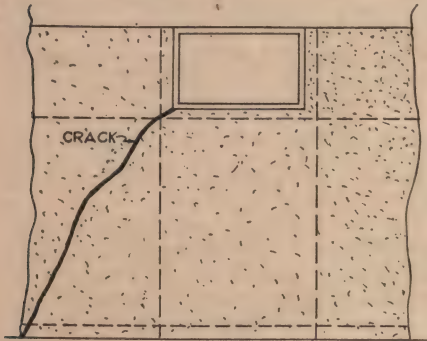


FIG. 28.

This crack could have been prevented had the wall been reinforced, in the manner indicated by the dashed lines, with about 1/2 in. rods.

The basement walls of the house that we are building will be reinforced about as indicated by Fig. 28. We have met builders, who contend that reinforcing

has no value in basement walls, but we can not agree with them, however much we want to respect their opinions.

Experience has taught us, that, even though cracks might appear in reinforced walls, the reinforcing, nevertheless, will keep the cracks from opening.

Of course, our experience is limited to a locality where the ground is somewhat treacherous—in localities where a good rock bottom, or its equal, is to be had, reinforcing basement walls perhaps would not be justifiable.

If the foundation is firm, the other part of the building, which we will begin to deal with in the next articles, will hold its position throughout many years of usefulness.

Elevation Pole

A reliable method for establishing the various elevations of a building constructed of brick and reinforced concrete we are illustrating with Figs. 1 and 2.

Fig. 1 shows a section through a wall of a three story building—the wall is made of brick, while the floors are constructed of reinforced concrete.

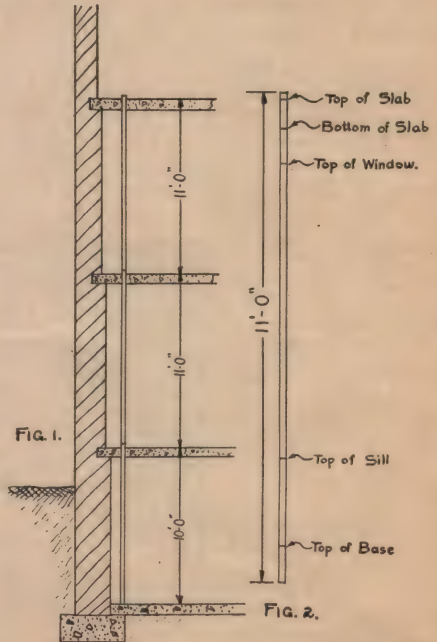


Fig. 2 shows the elevation pole with the various points marked on it. Beginning at the bottom and working up, we have: Top of base, top of sill, top of window, bottom of slab and top of slab.

Other important points should be marked on the pole at the right elevations. It will be seen that the pole extends a few inches above the top of the slab. The purpose of this is to keep it from becoming covered with concrete or lost.

When the forms for the first floor are being built, the pole for the basement should be set in place, after the various points have been marked on it. The pole reaching from first to second floor should be put in place when the second floor forms are built.

In the same manner a pole should be placed for all other stories of whatever

building it may be used on. All of the important points should be clearly marked on the elevation pole. A nail stuck at each of the points for setting the target on will prove to be a time saver.

From these points all of the important points of each story should be obtained. The pole should be located in a place where it will be easily accessible with the leveling instrument. Fig. 1 shows the elevation poles for three stories setting end on end, as they should be when in place. When the building is done the poles are cut off flush with the surfaces of the concrete slabs.

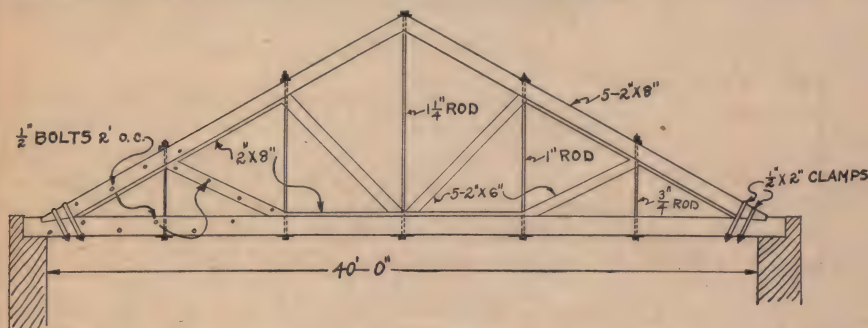
A Built-Up Truss

The question, whether a built-up truss has as much strength as a one-member truss, has often been discussed. The quality of the material, rather than the number of members, has more to do with the strength of the finished product, than anything else.

Where everything else is equal and the material used is perfectly sound and

to the building as well as to the contents of the building.

We are showing a drawing of a five-member built-up truss. The clamps holding the foot of the rafters to the chord should be slightly sunk into the chord to prevent slipping. The beveled washers at the upper ends of the rods should also be sunk into the rafter for the same purpose. A little study of the



straight grained, we believe that the one-member truss is the most substantial, because it is not impaired, as the built-up truss is, by the boring for the bolts. While on the other hand, if the material is cross-grained, as is very often the case, then we hold that a built-up truss is the better, for it would be almost impossible for the grains of the various members of a built-up truss to all run in the same direction; thus if one member is rendered useless by a season crack, the other members will still retain enough strength to support the load.

A season crack in a cross-grained member of a one-member truss may result in an accident causing much damage

drawing will explain the construction of this truss.

The principal thing about building a truss is to give all butt-joints a full bearing, that is to say, the joints should be tight throughout, not as is often the case, open on one side. The selection of material, which we have dealt with above, is another important feature.

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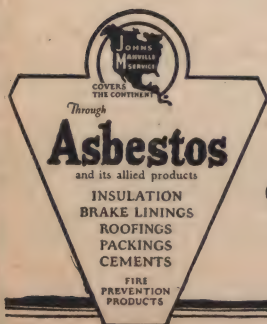
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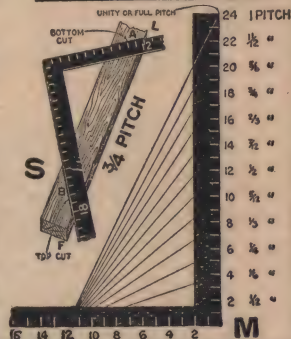
Rules 12, 13 & 17 on the Steel Square

The lines radiating from division 12 on the tongue of the square to various points on the blade as seen in fig. M, are inclinations corresponding to the various roof pitches.

The 12 inch mark on tongue and mark on blade opposite pitch desired is used to obtain cuts for common rafters. For octagon, or hip rafters use mark 13, or 17 respectively. In fig. S, the square is seen applied to a rafter with the 12 in. mark on tongue and 18 in. mark on body at the edge of the rafter corresponding to $\frac{3}{4}$ pitch of common rafter.

The inclinations A, and B, of the tongue and body of the square with the edge I.F. of the rafter give the correct angles for bottom and top cuts for $\frac{3}{4}$ pitch when placed in position; that is, when A is horizontal and B, vertical or plumb.

12, 13, 17.



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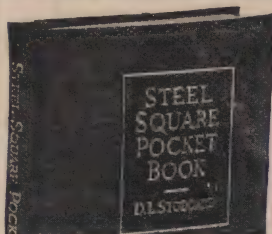
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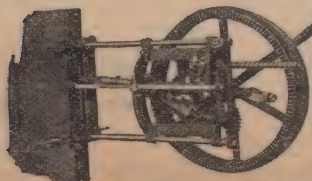
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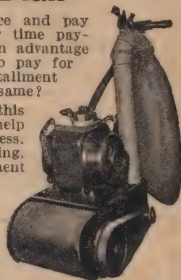
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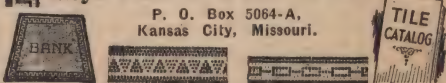
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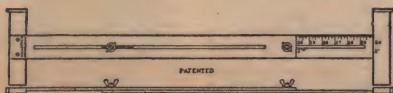
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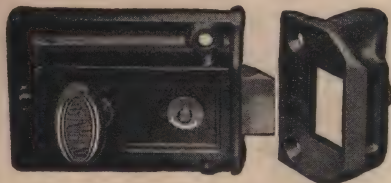
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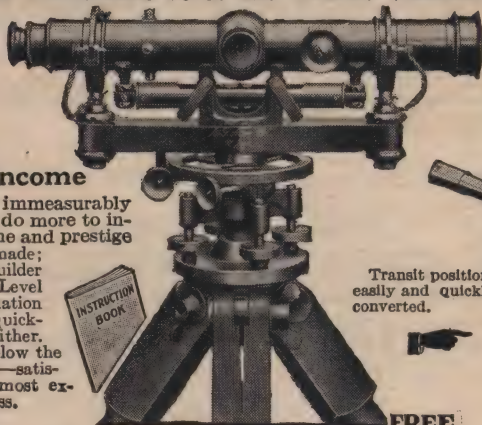
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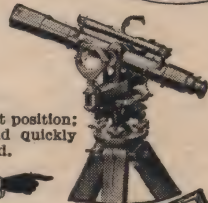
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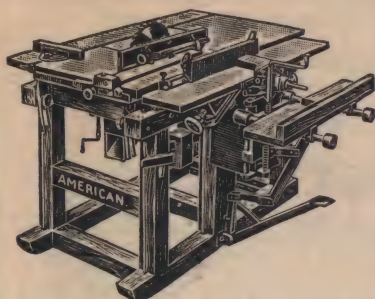
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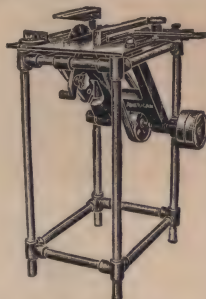


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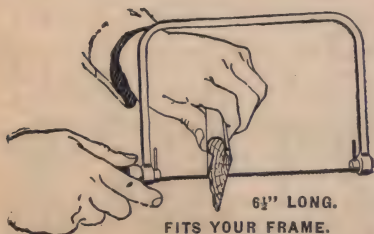
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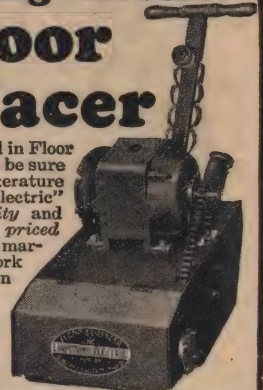
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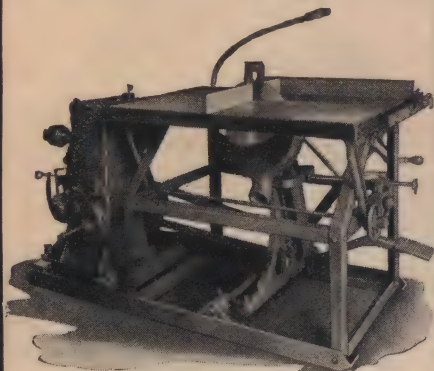
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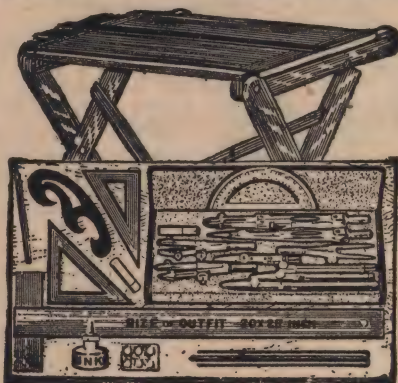
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1873



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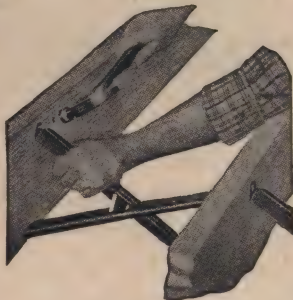
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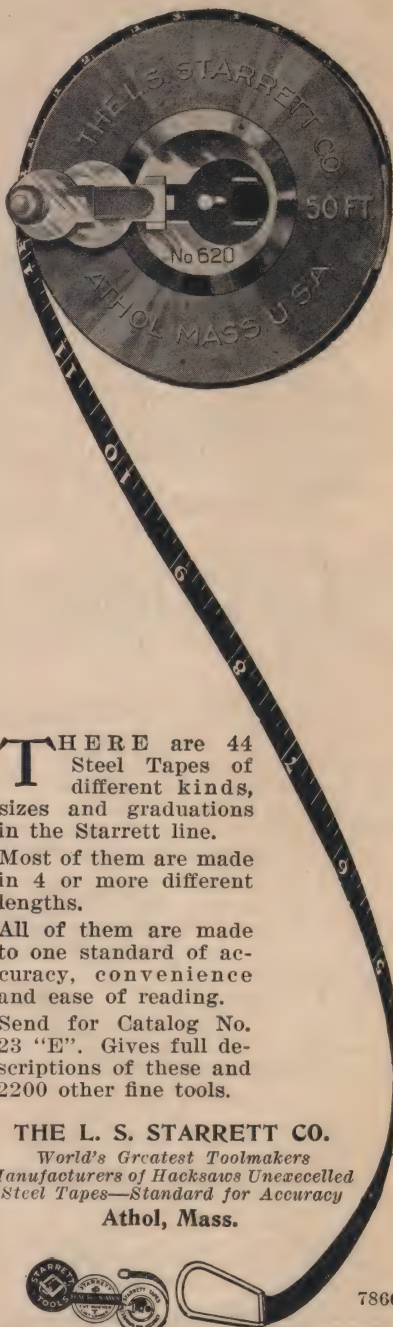
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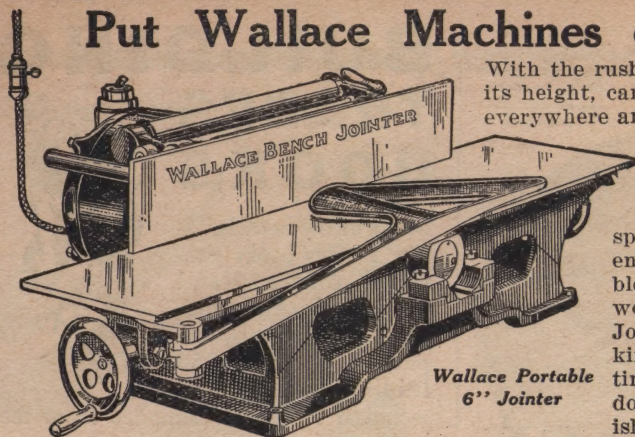
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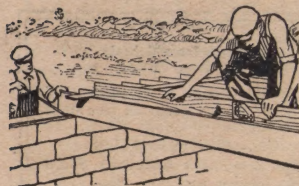
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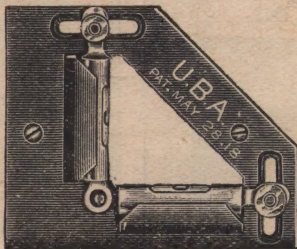


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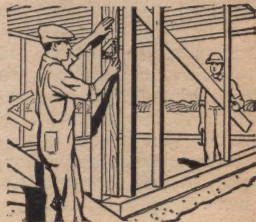
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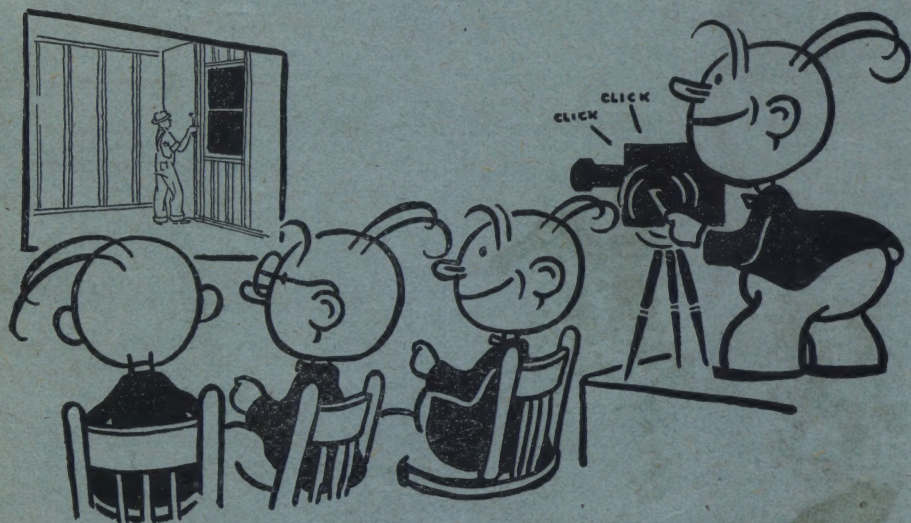
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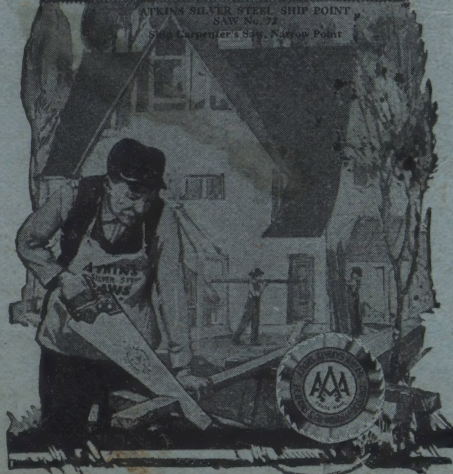
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